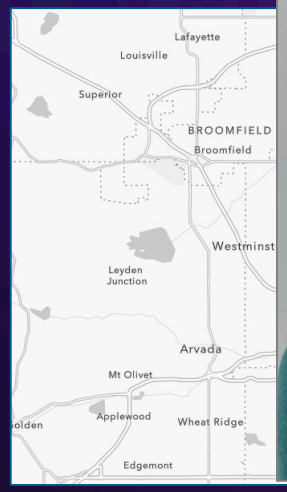
ArcGIS Pro: Migrating from ArcMap

Presenters – Andrea Santoro and Stephanie Oliver

Moderator – David Watkins

2021 ESRI USER CONFERENCE

Presenters:



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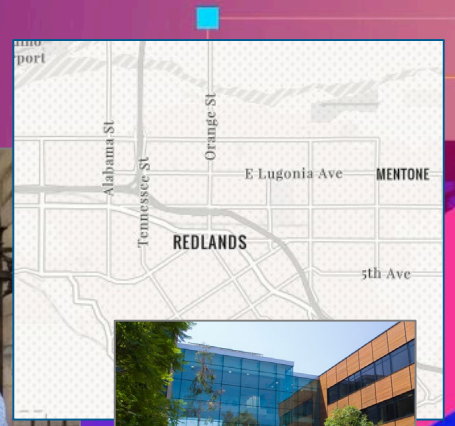

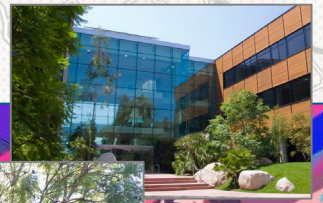

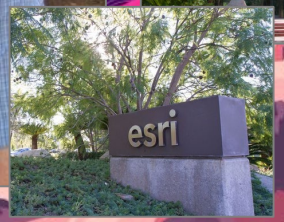

David Watkins

Topics Covered

- Why go Pro?
- ArcGIS Pro Fundamentals
- Migrating to ArcGIS Pro
- Working with ArcGIS Pro
- Migration resources
- Live Q & A

Why go Pro?

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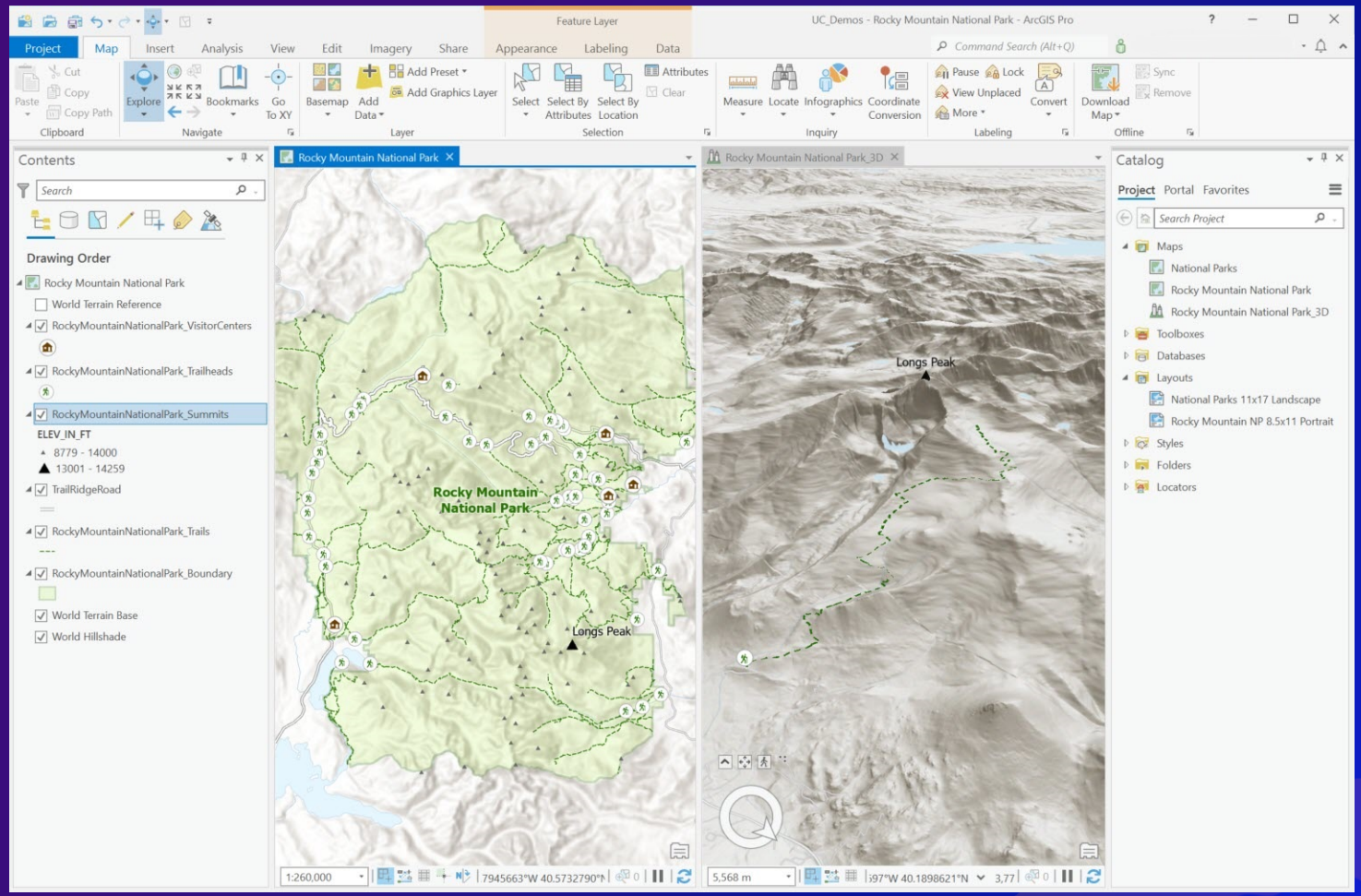

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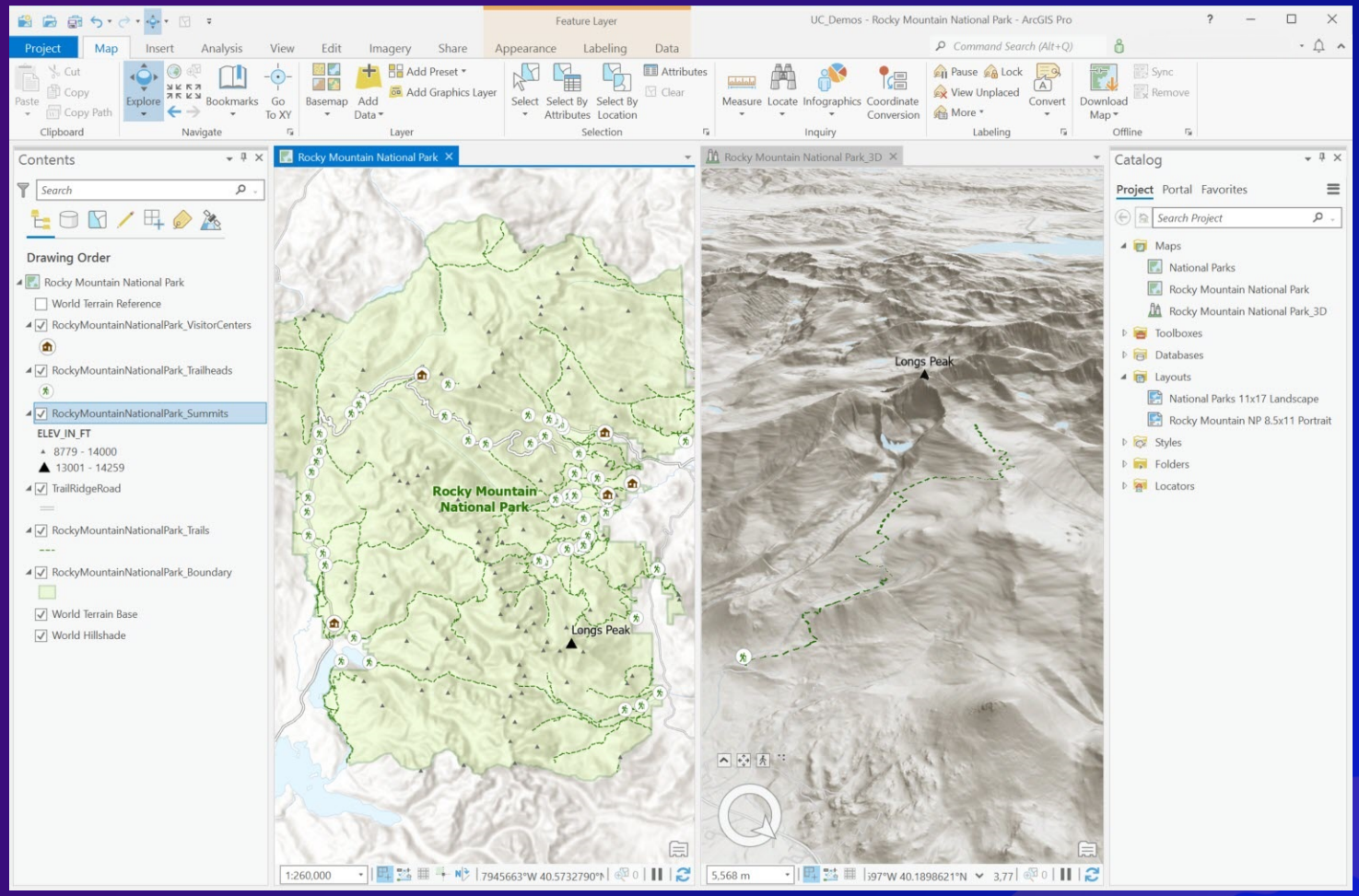
- Multiple maps and layouts



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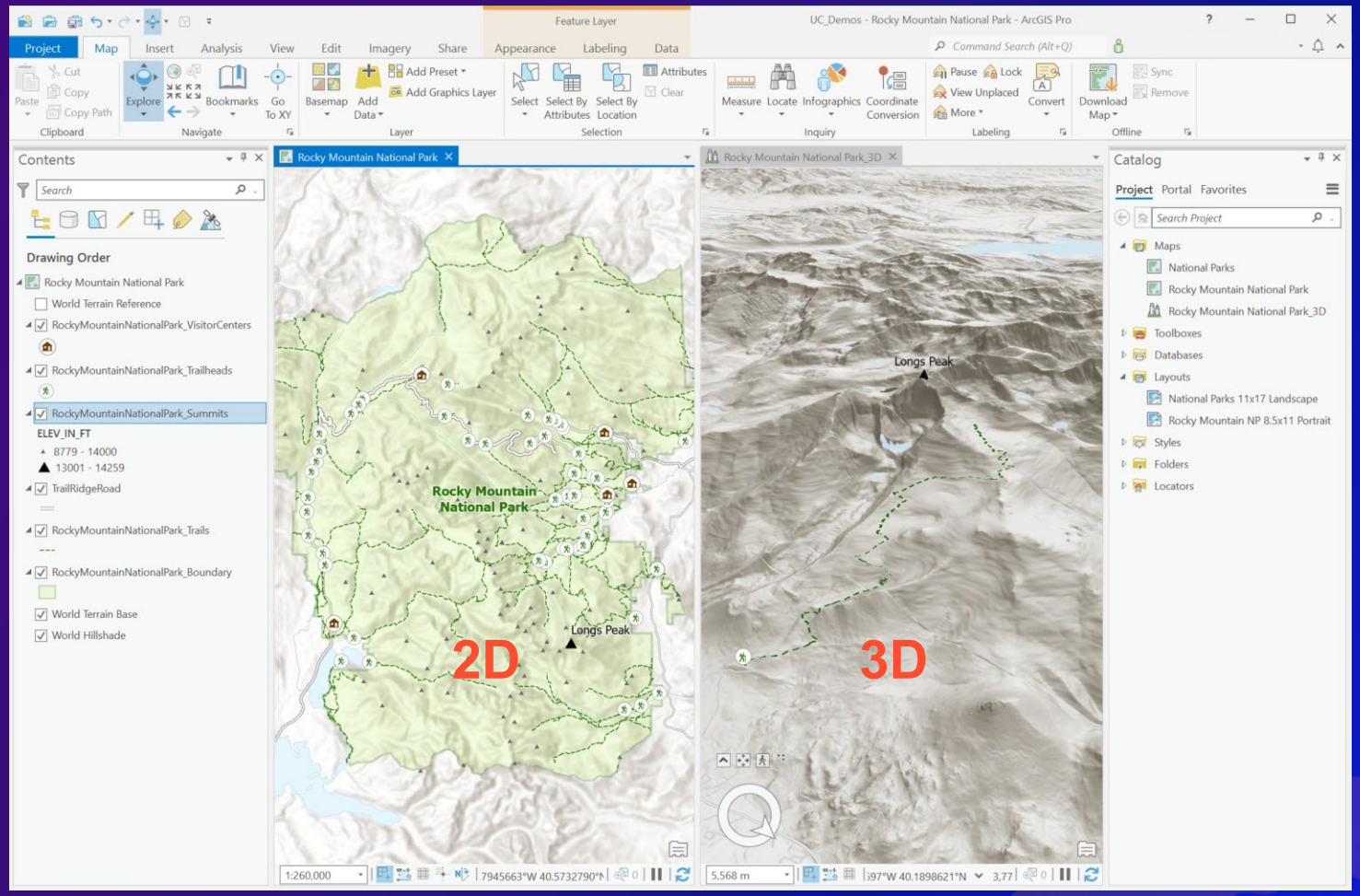

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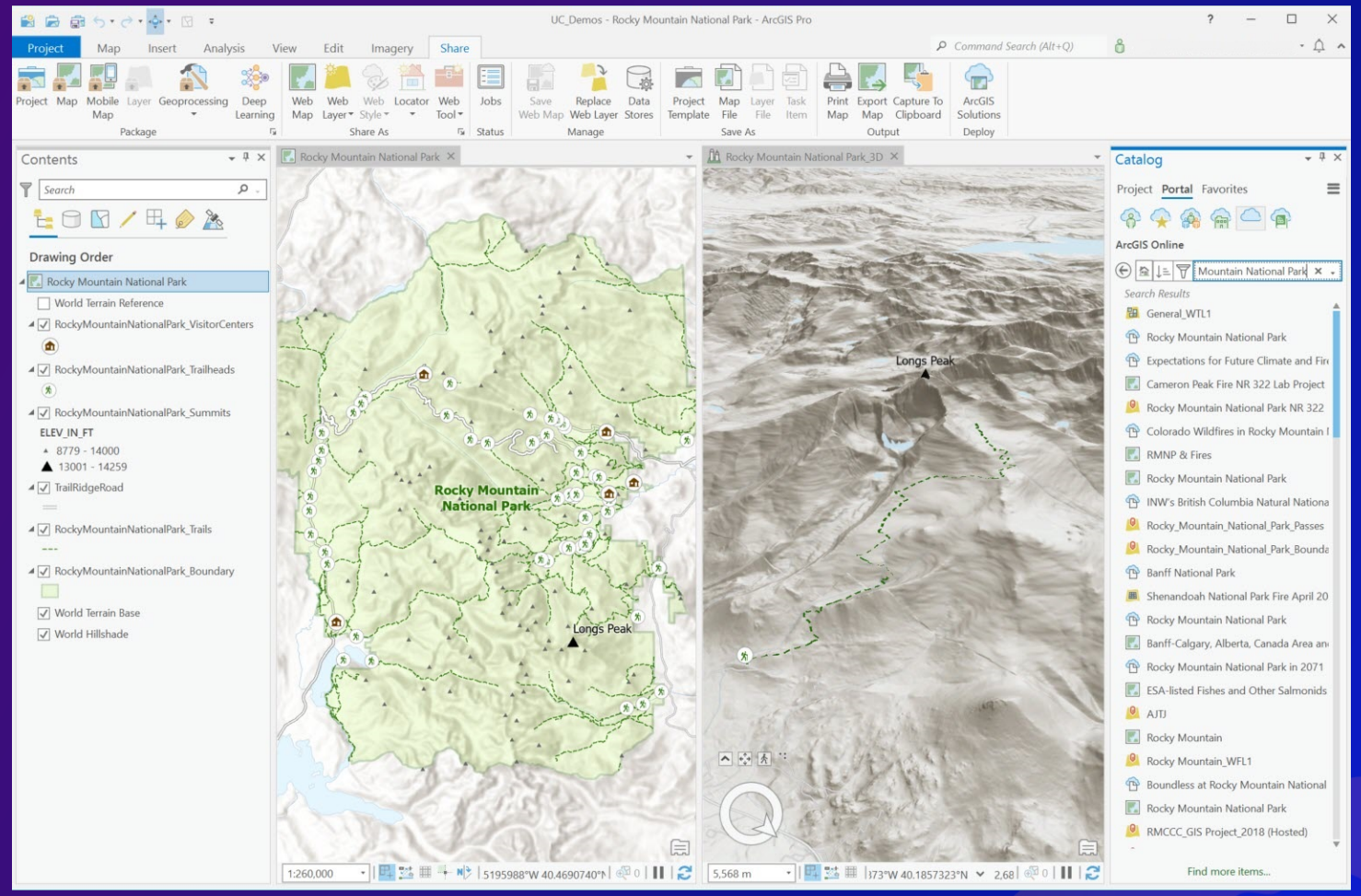

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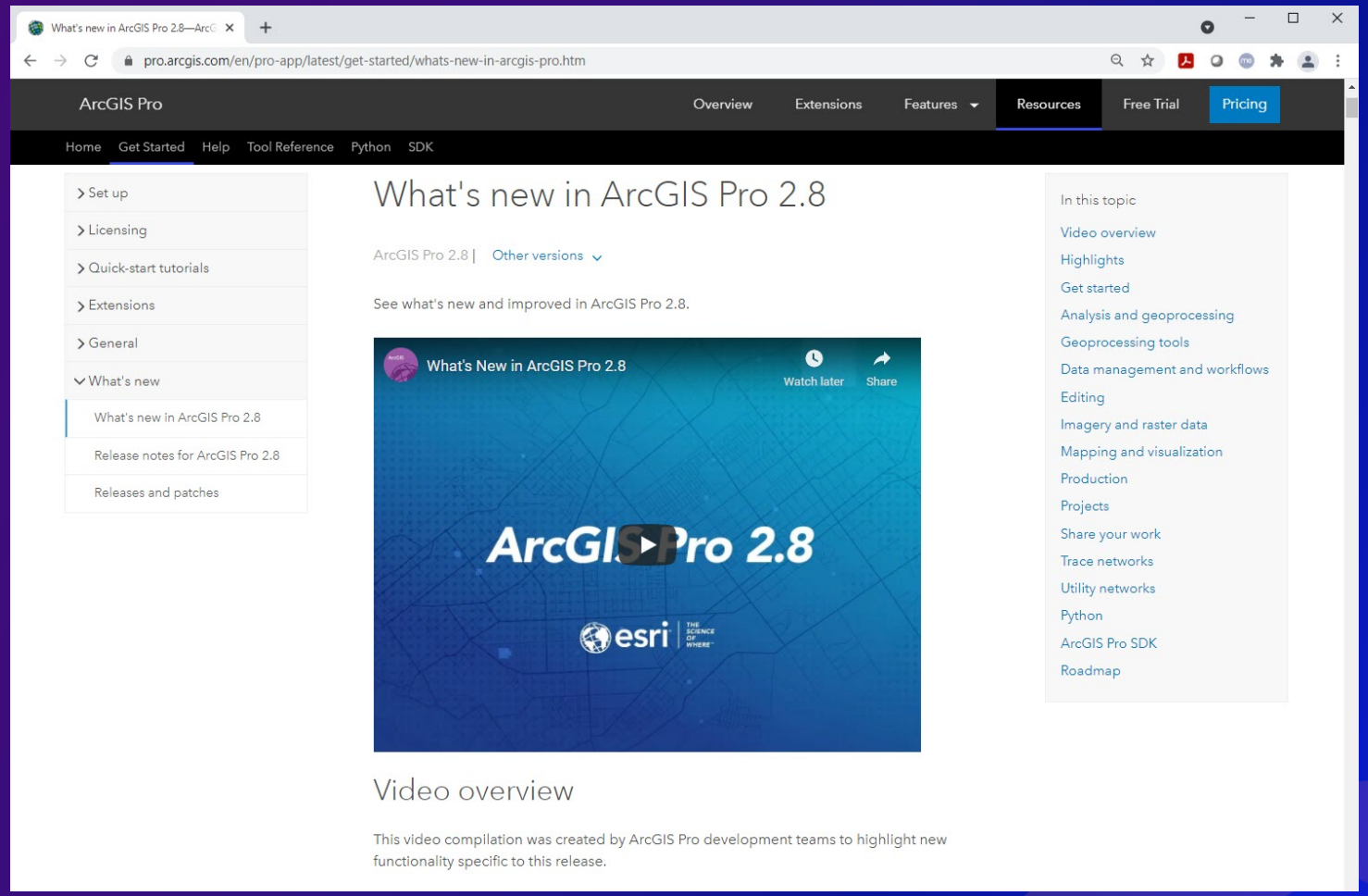

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ArcGIS Pro is replacing ArcMap

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- **Where can you learn more?**
  - ArcGIS Desktop Product Life Cycle web page

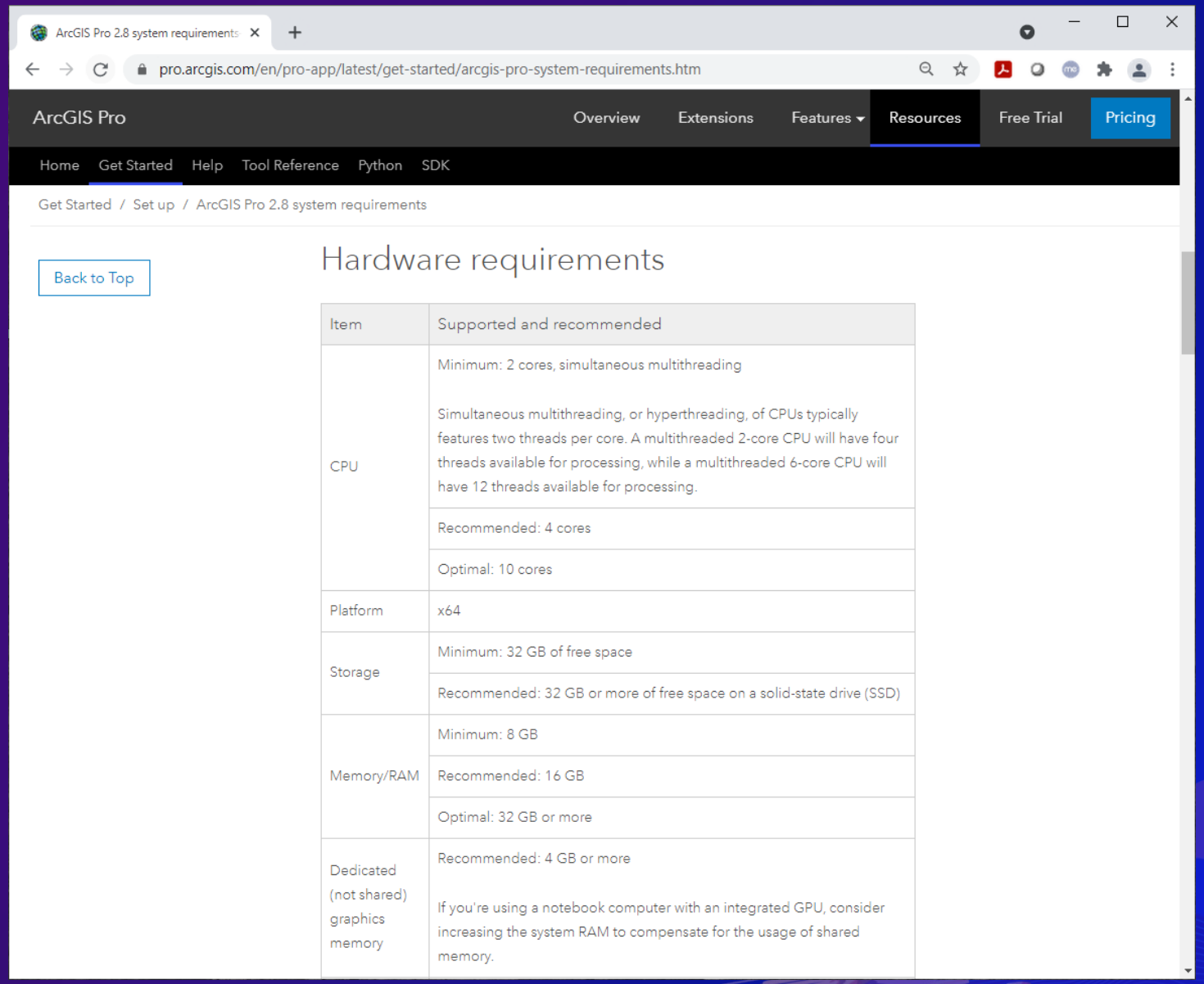
    https://support.esri.com/en/Products/Desktop/arcgis-desktop/arcmap/10-8-1#product-support
  - ArcMap Continued Support web page

    https://support.esri.com/en/arcmap-esri-plan

System requirements

- **Hardware**
  - System requirements web page

    https://pro.arcgis.com/en/pro-app/latest/get-started/arcgis-pro-system-requirements.htm



Hardware requirements

Item	Supported and recommended
CPU	Minimum: 2 cores, simultaneous multithreading Simultaneous multithreading, or hyperthreading, of CPUs typically features two threads per core. A multithreaded 2-core CPU will have four threads available for processing, while a multithreaded 6-core CPU will have 12 threads available for processing.
	Recommended: 4 cores
	Optimal: 10 cores
Platform	x64
Storage	Minimum: 32 GB of free space
	Recommended: 32 GB or more of free space on a solid-state drive (SSD)
Memory/RAM	Minimum: 8 GB
	Recommended: 16 GB
	Optimal: 32 GB or more
Dedicated (not shared) graphics memory	Recommended: 4 GB or more If you're using a notebook computer with an integrated GPU, consider increasing the system RAM to compensate for the usage of shared memory.

System requirements

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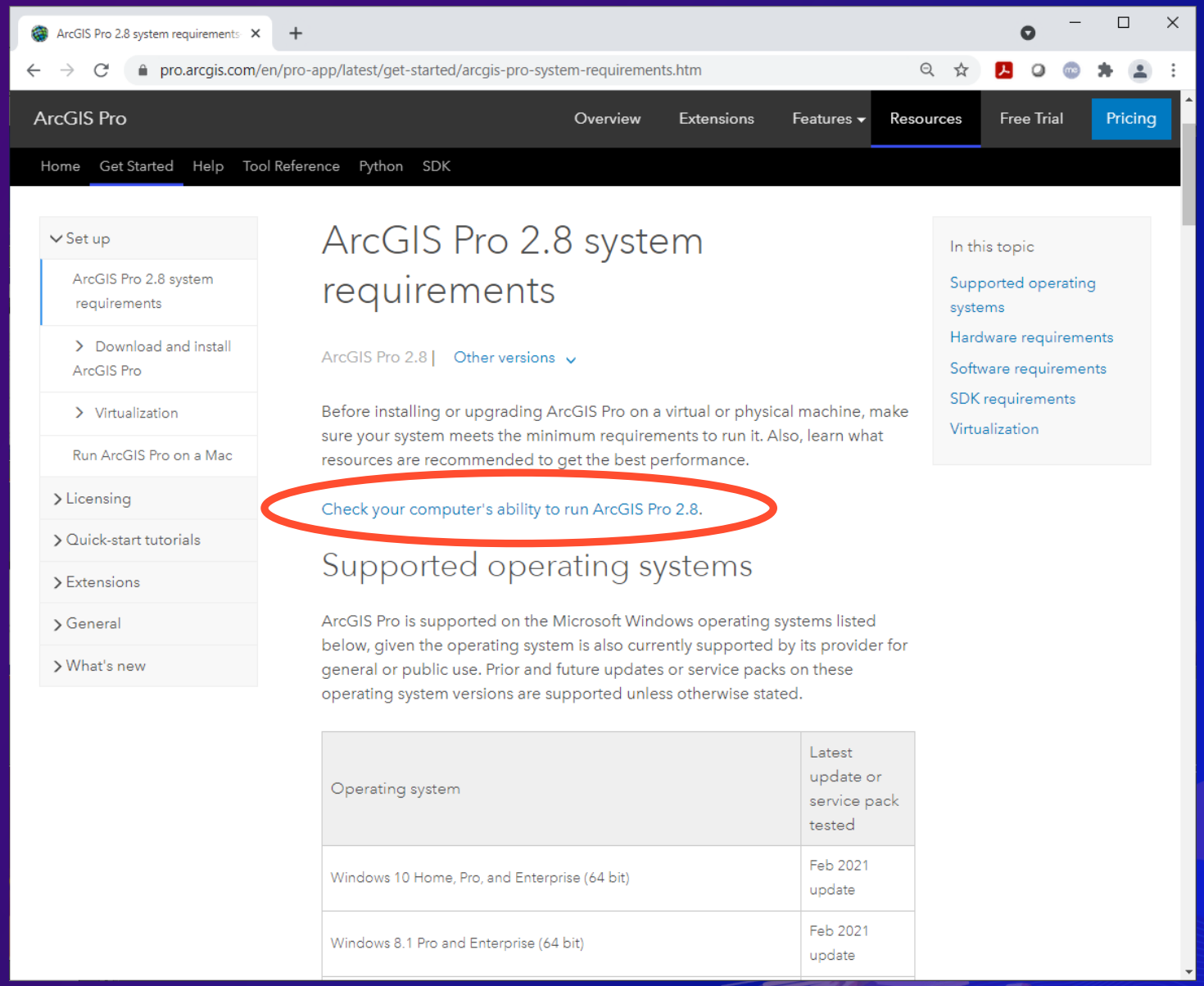
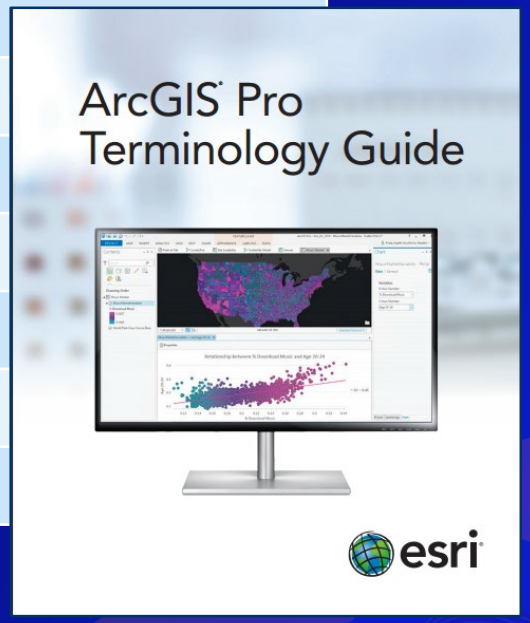


ArcGIS Pro Fundamentals

ArcGIS Pro uses some new terminology

ArcMap	ArcGIS Pro
Data View	Map View
Layout View	Layout View
Catalog Tab / ArcCatalog	Catalog Pane / Catalog View
Data Driven Pages	Map Series
Find tool	Locate tool
Create Folder Connection	Add Folder
Pan / Identify / Zoom	Explore Tool
Table of Contents	Contents Pane
Toolbars	Tabs



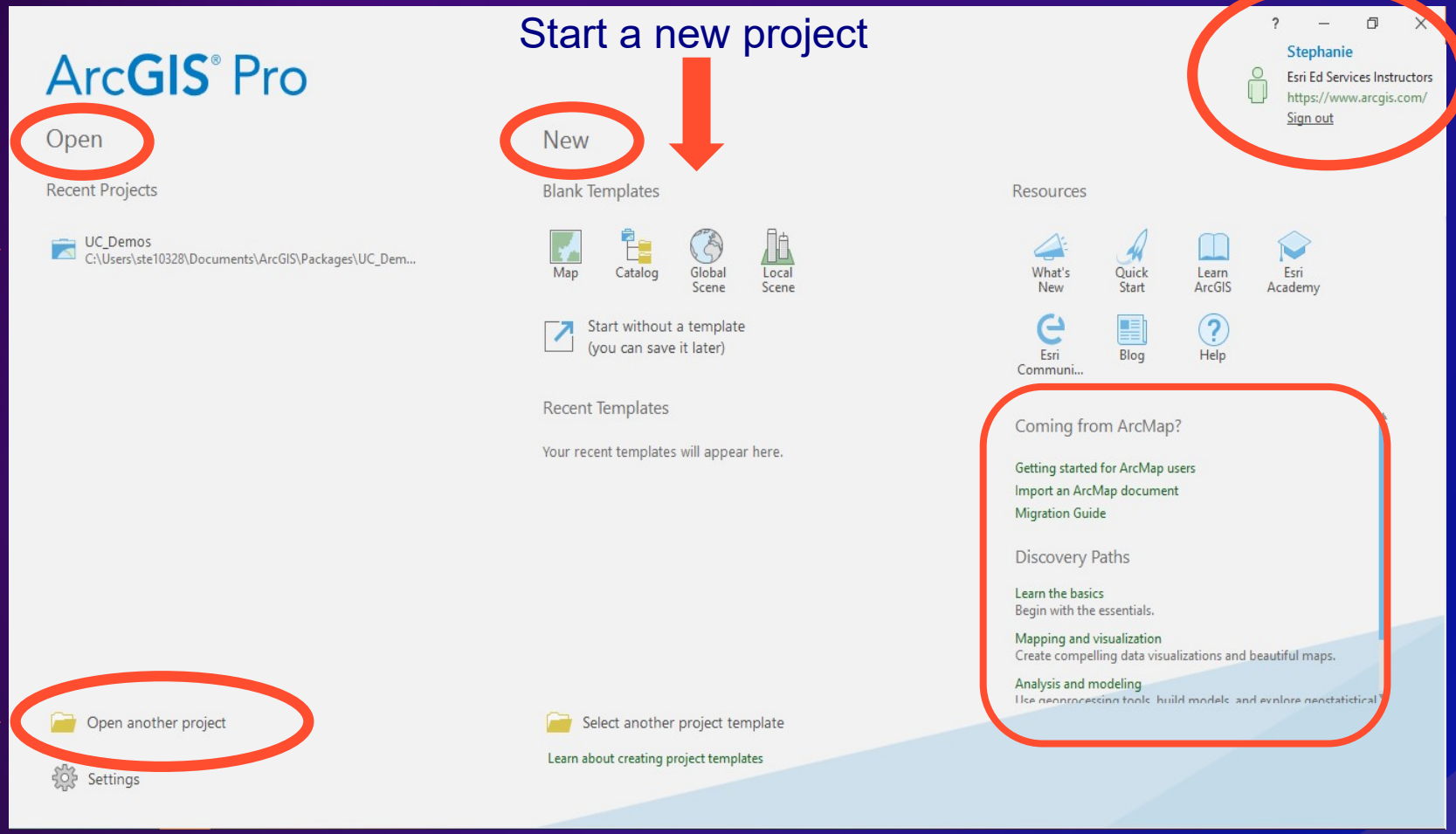
http://www.esri.com/library/brochures/pdfs/arcgis-pro-terminology-guide.pdf

What will I see when I start ArcGIS Pro?

How my instance of ArcGIS Pro is licensed

Start a new project

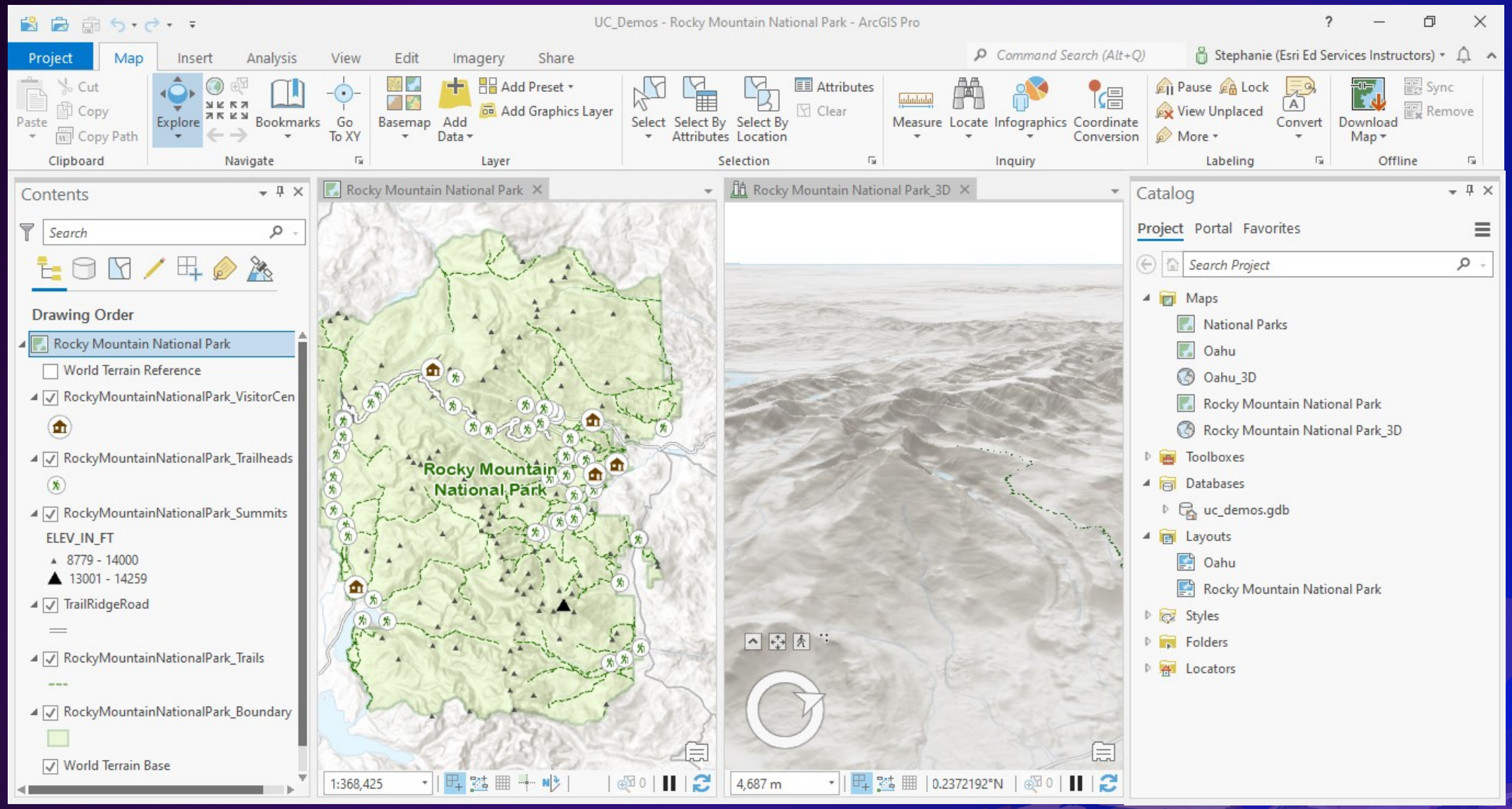
Open a recent project



For those coming from ArcMap

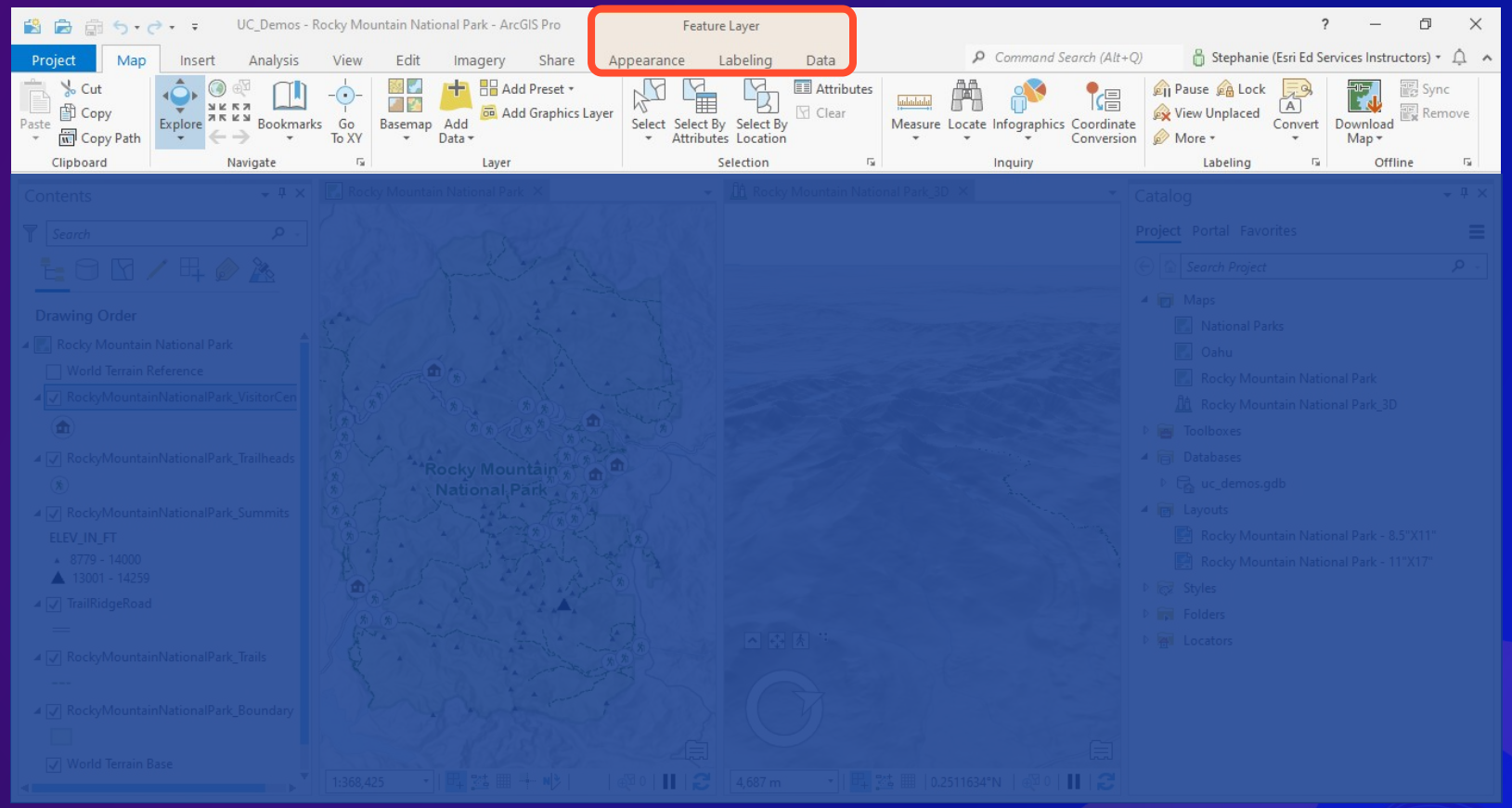
Open other projects

The User Interface is new



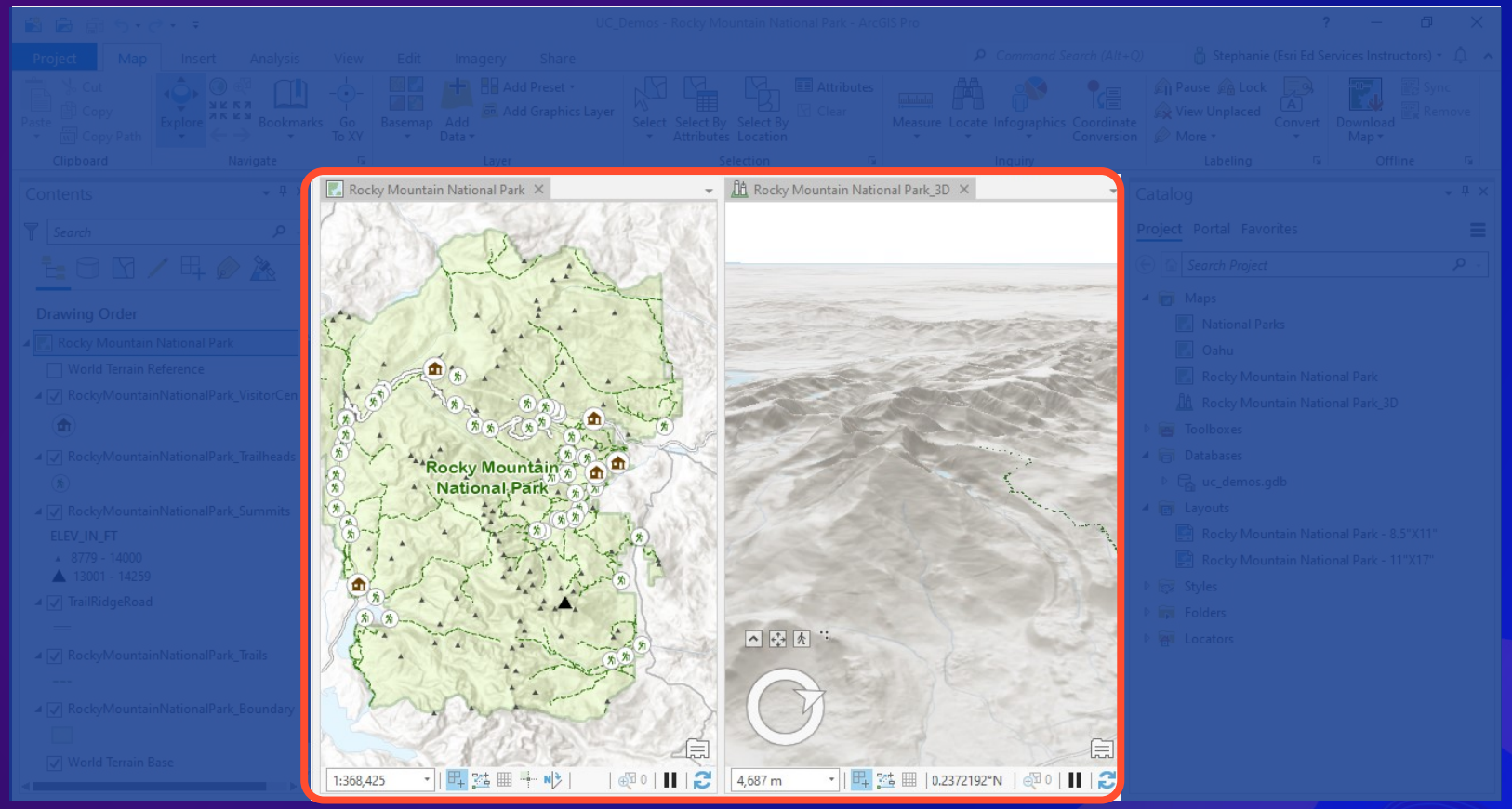
The User Interface is new

- Contextual ribbon



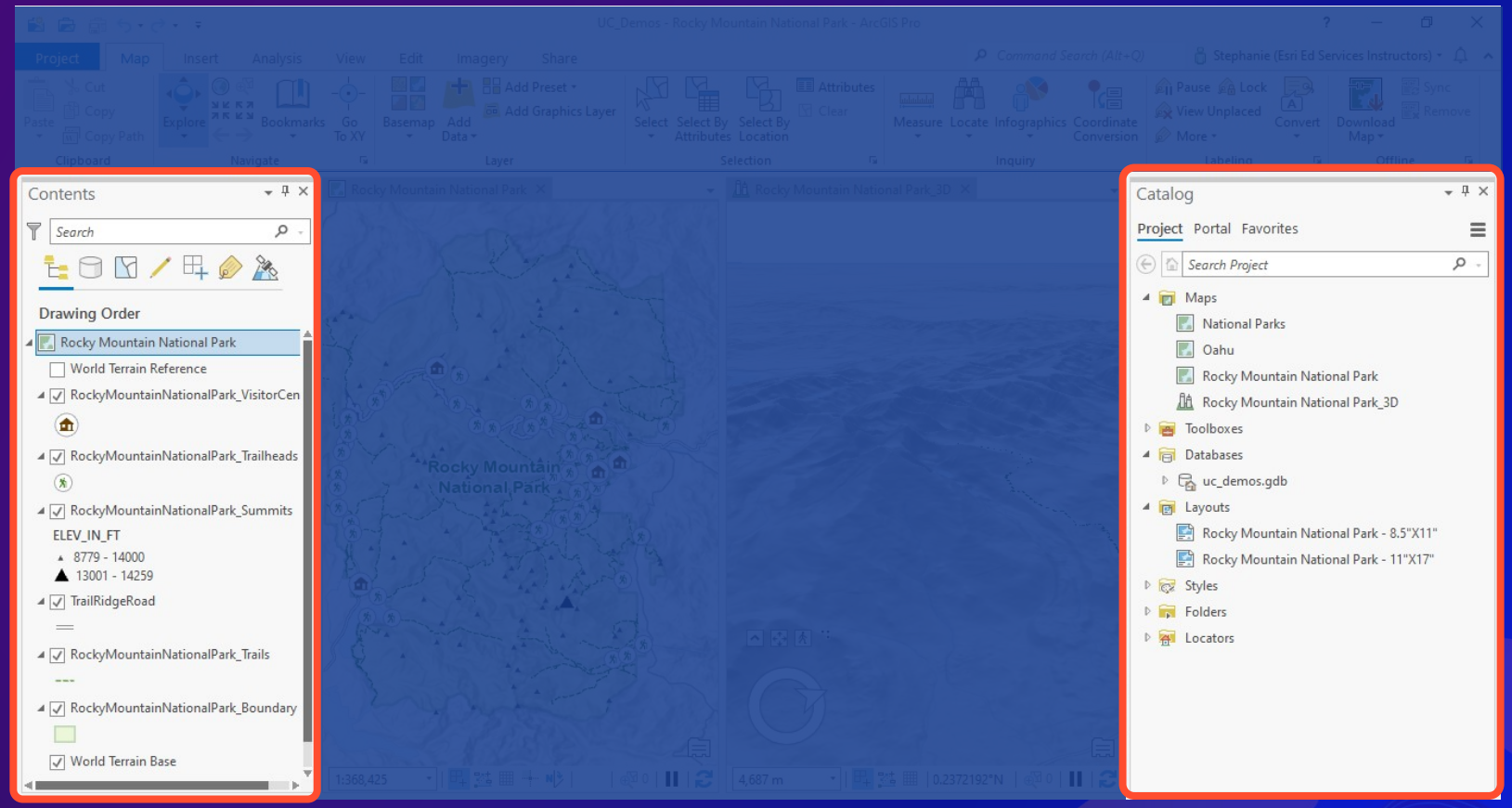
The User Interface is new

- Views



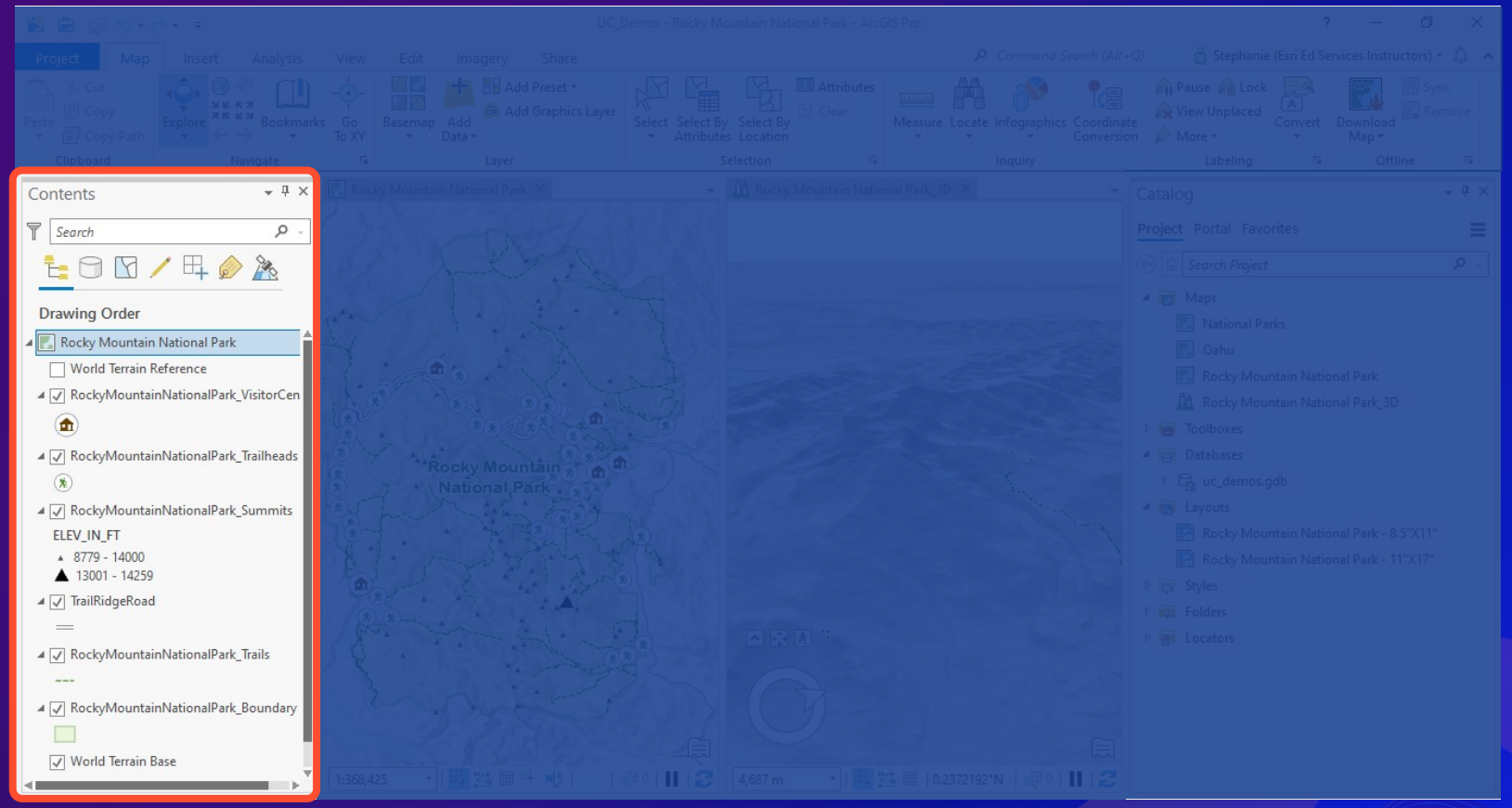
The User Interface is new

- Panes



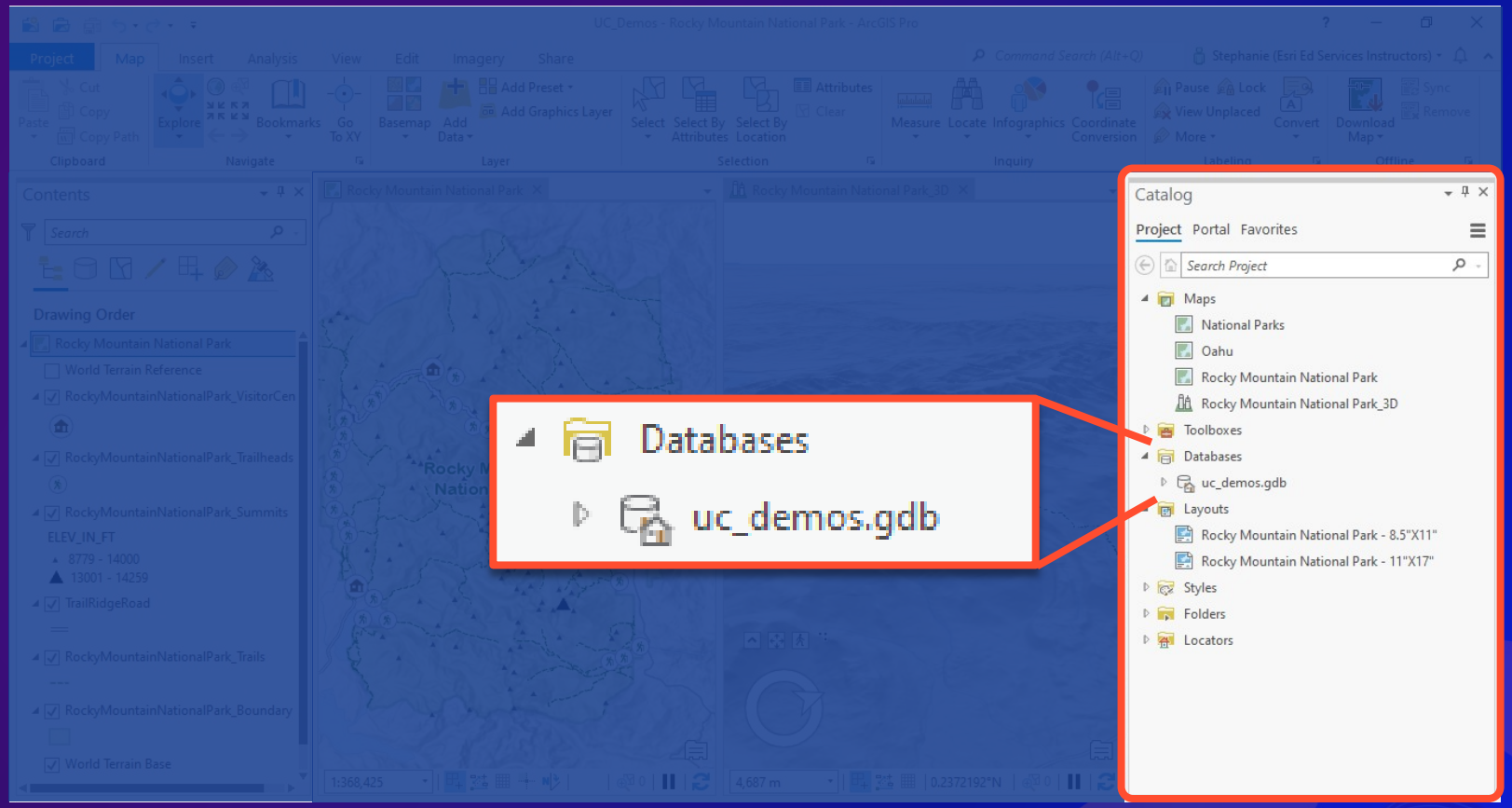
The User Interface is new

- Contents Panes



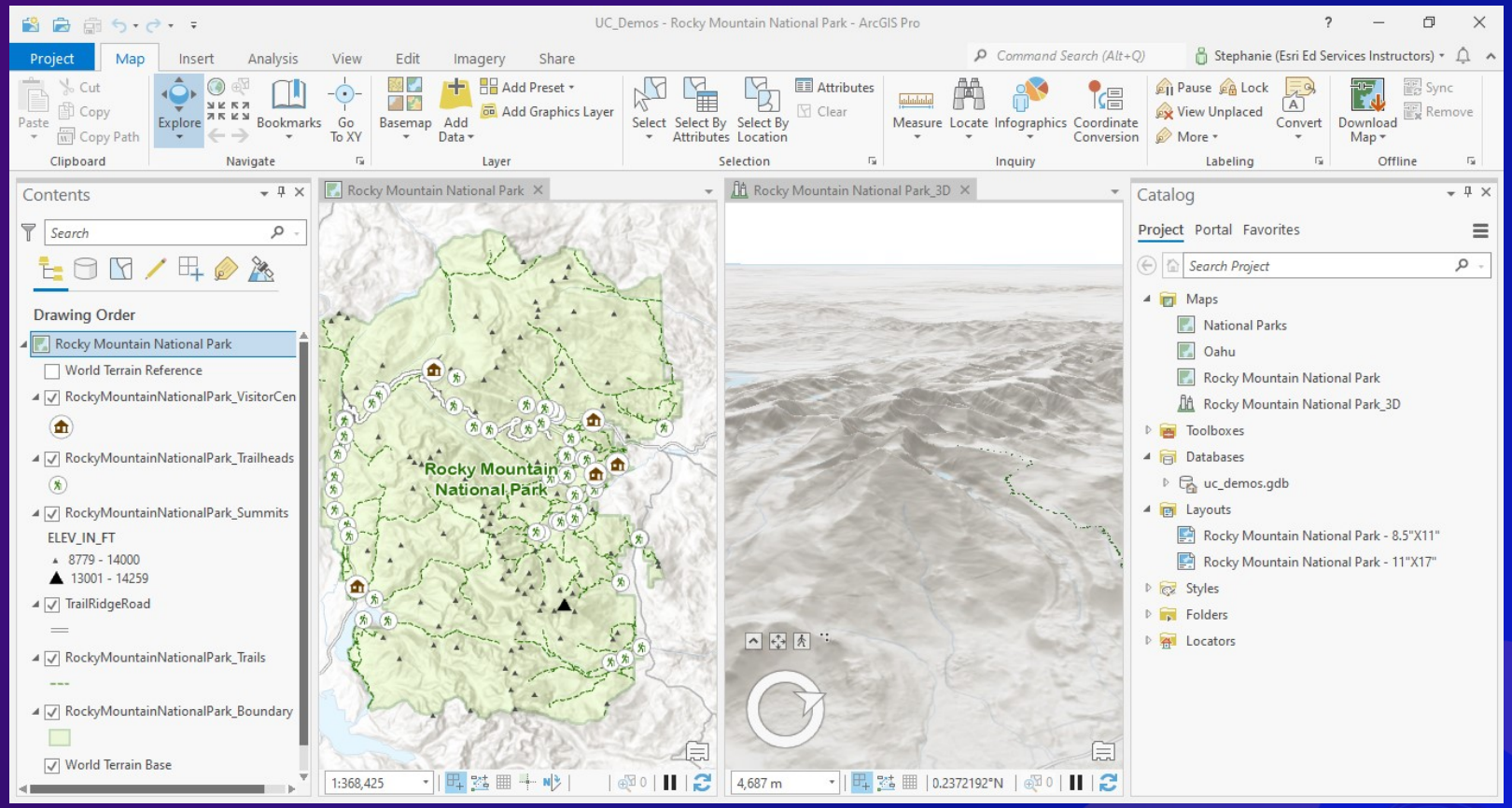
The User Interface is new

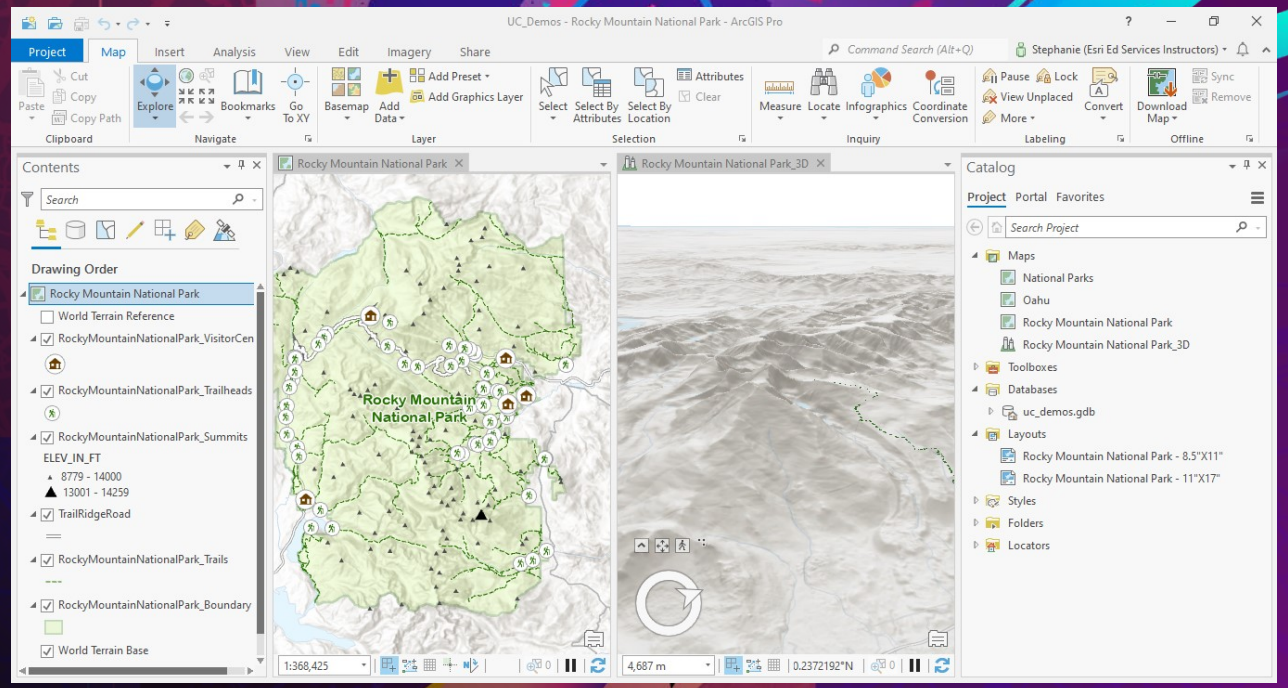
- Catalog Pane
  - Every project has its own Default Geodatabase
  - Multiple maps and layouts
  - Database, folder, server connections
  - Tools and toolboxes
  - Project styles



The User interface is new, but concepts are the same

- Contextual ribbon
- Views
- Panes
- Contents





The Interface

Stephanie Oliver

Migrating to ArcGIS Pro

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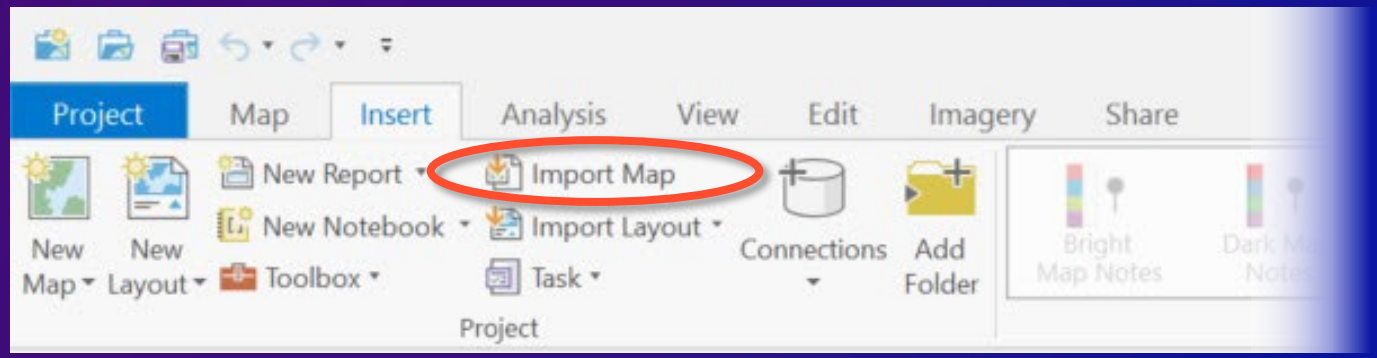
- **Maps and scenes**
  - .mxd
  - .sxd
  - .3dd



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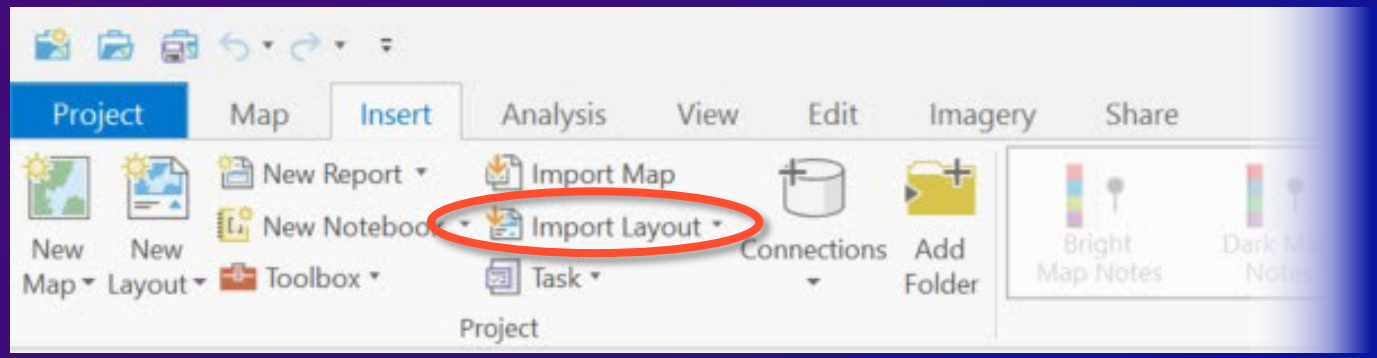

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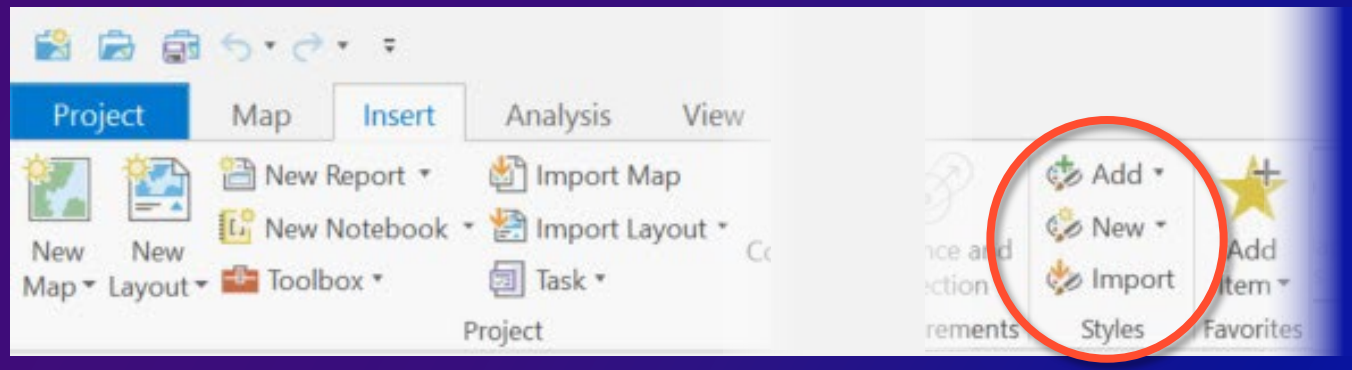

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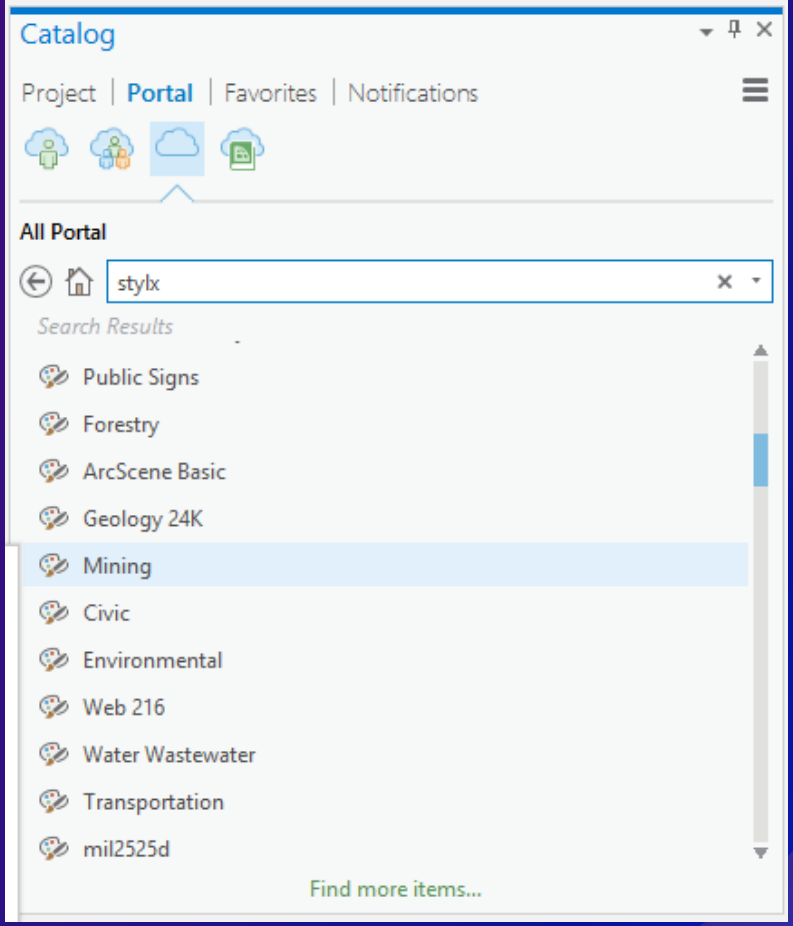

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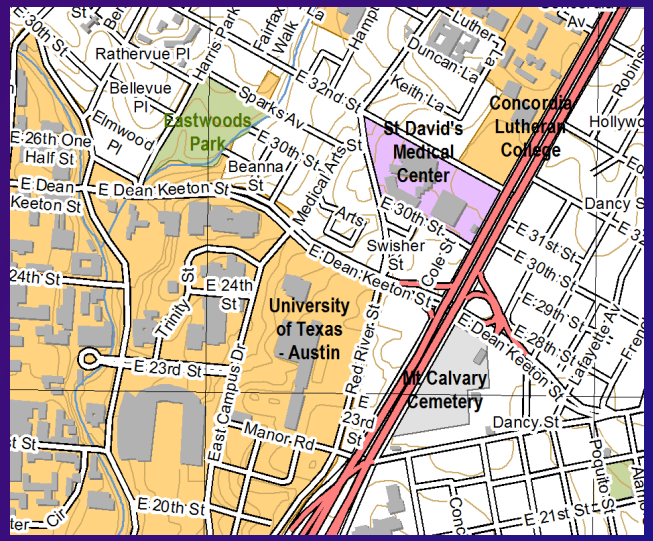
- **Map annotation**

ArcMap



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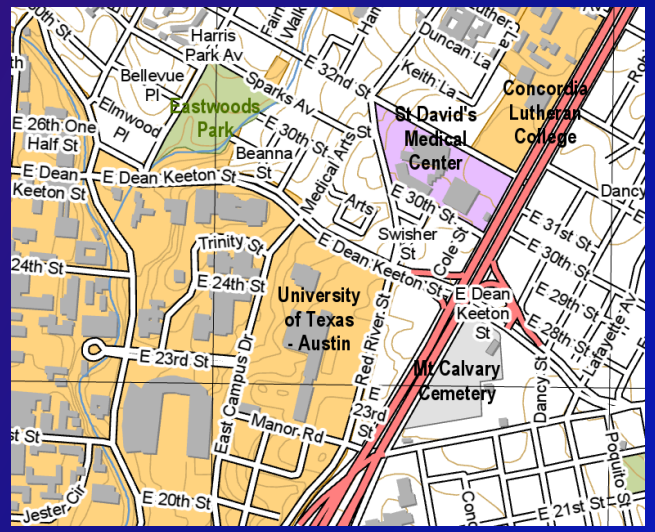

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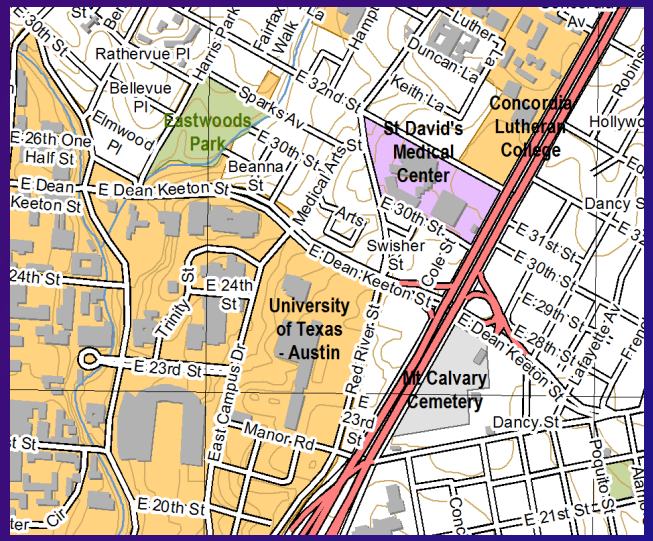

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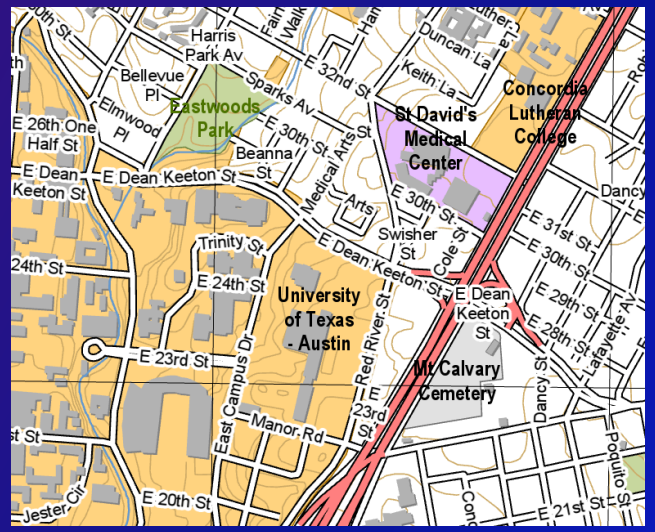

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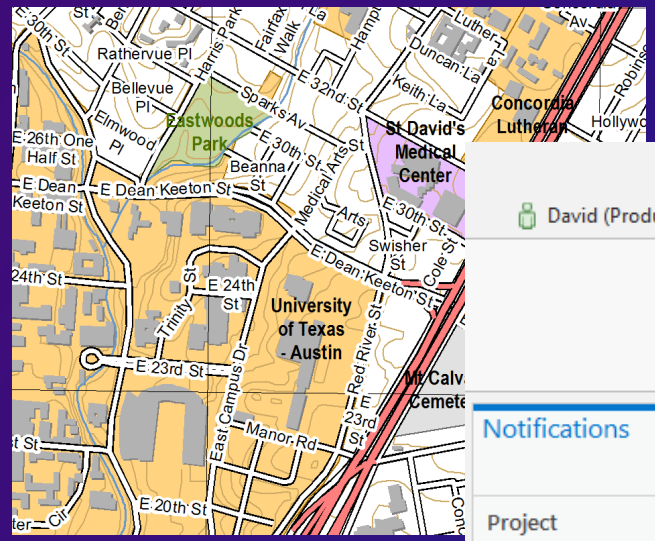

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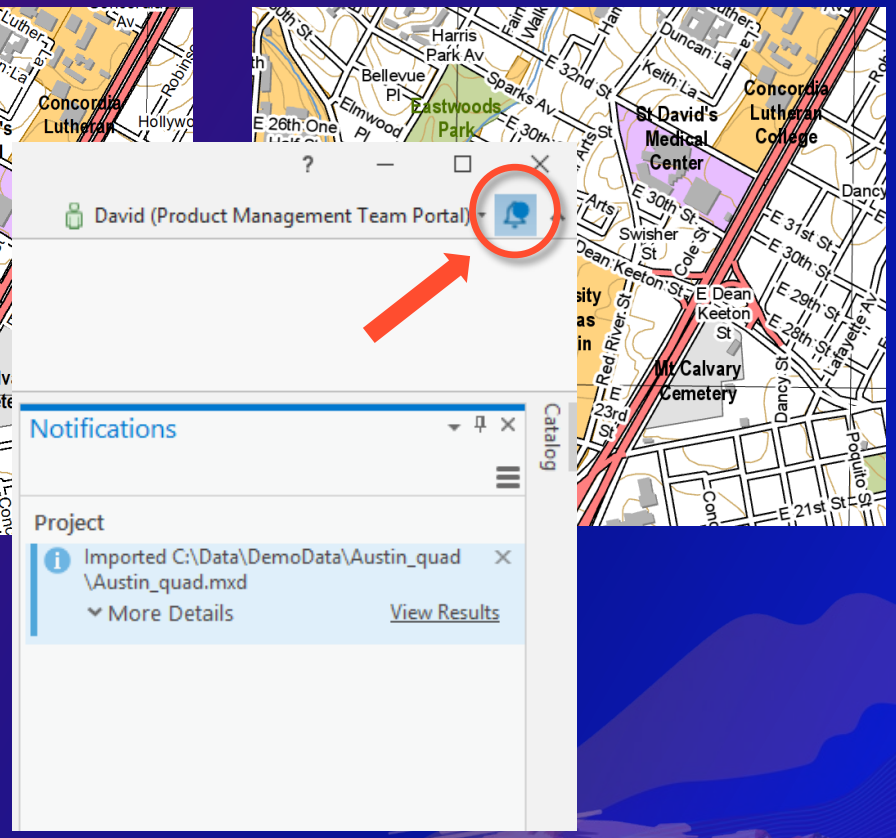

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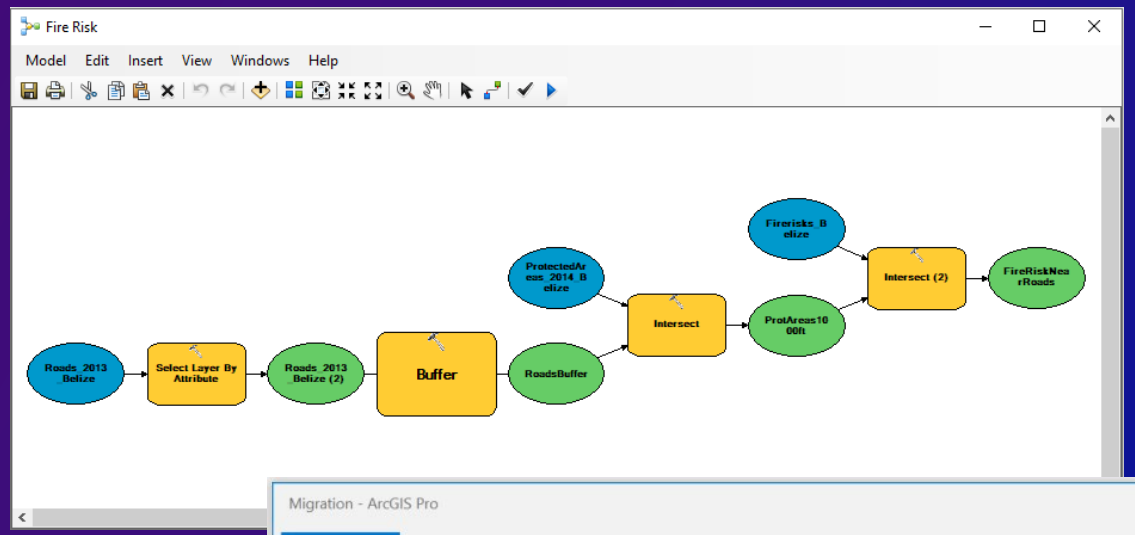
  - System tools vs. Custom tools



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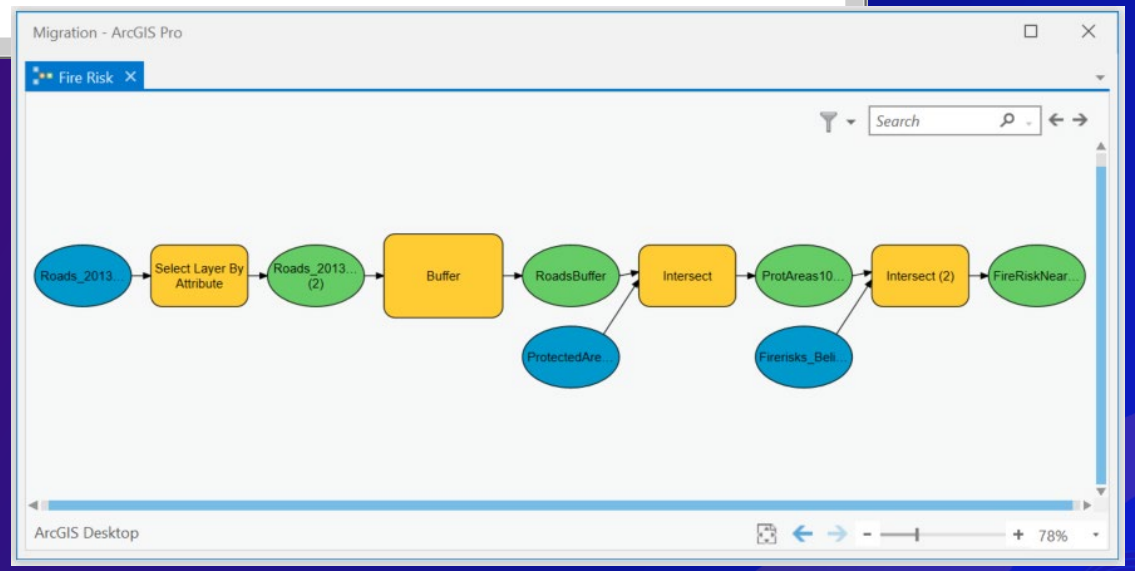

ArcGIS Pro

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  - Arcpy.mapping → arcpy.mp
  - Python 2 vs. Python 3

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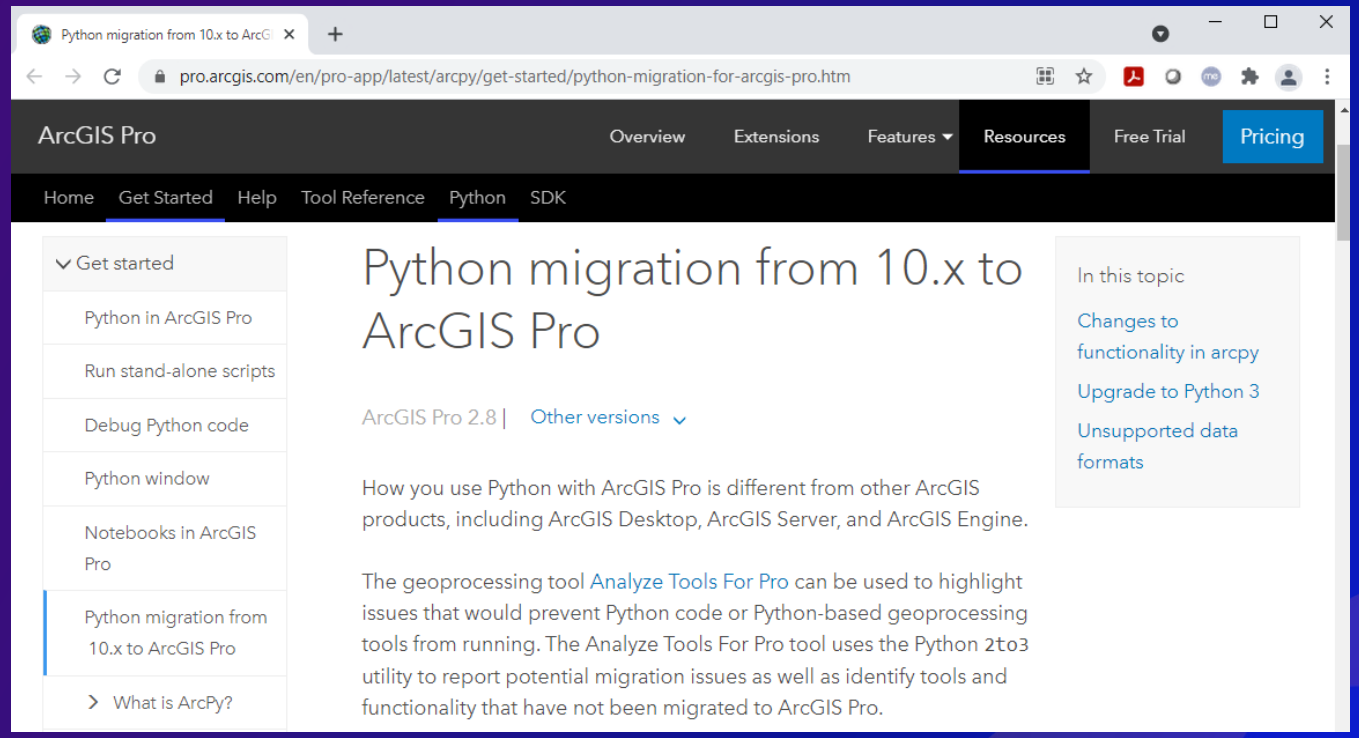

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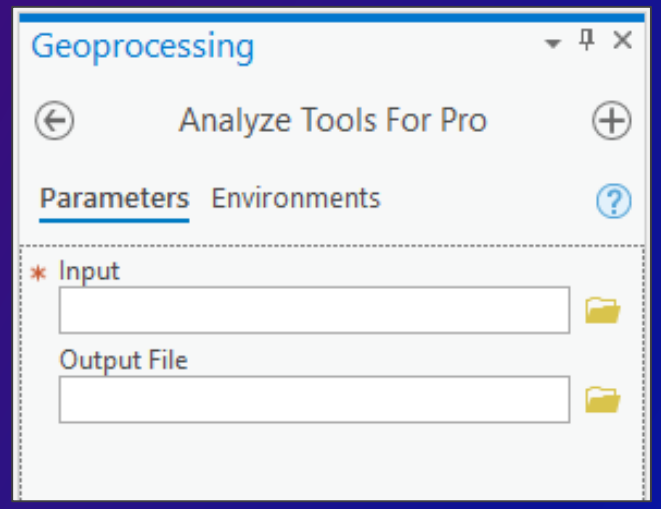

Analyze Tools For Pro

What is <u>not</u> supported?

- Personal geodatabases (.mdbs)

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- Application-level .NET add-ins

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- Application-level .NET add-ins
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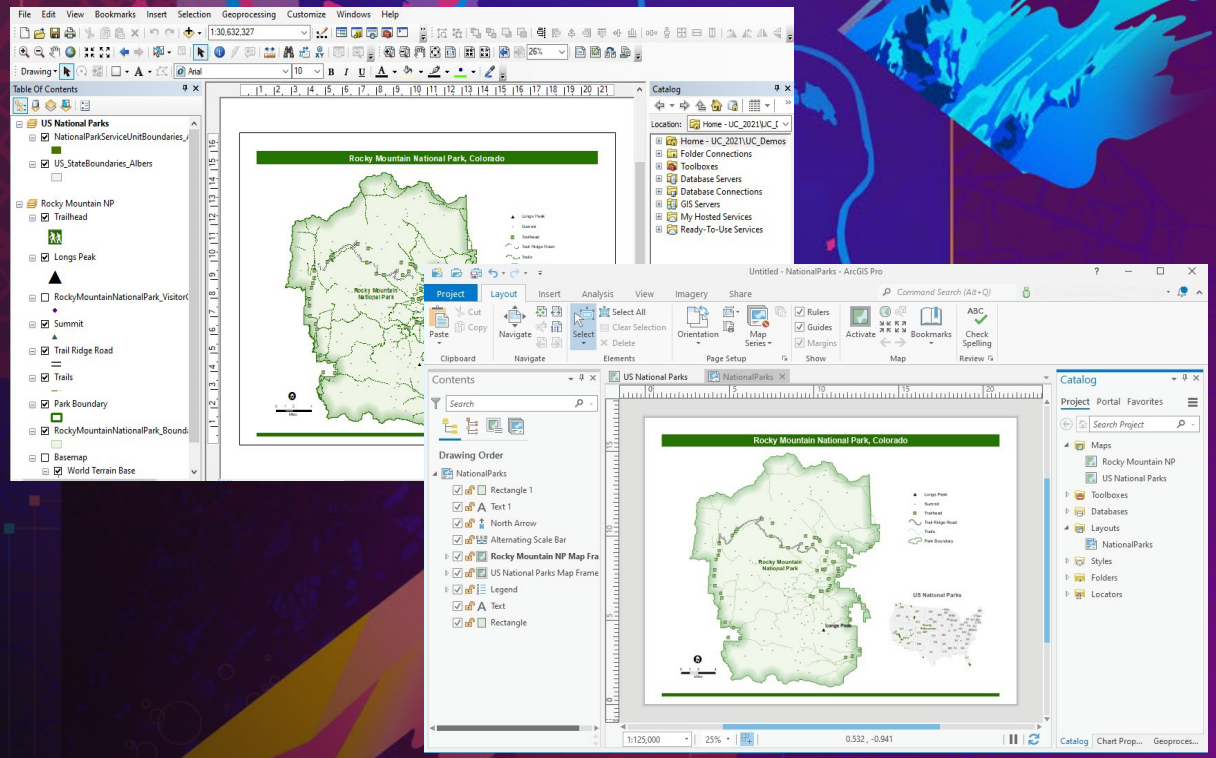
- Geometric networks

What is <u>not</u> supported?

- Personal geodatabases (.mdbs)
- Application-level .NET add-ins
- Coverages
- Geometric networks
- Representations

Planning your migration

- **How should you organize your work moving forward?**
  - Do you have related maps?
  - Do you use the same map in multiple layouts?
  - Do you use the same folder connections for groups of maps?
  - What are your common workflows?

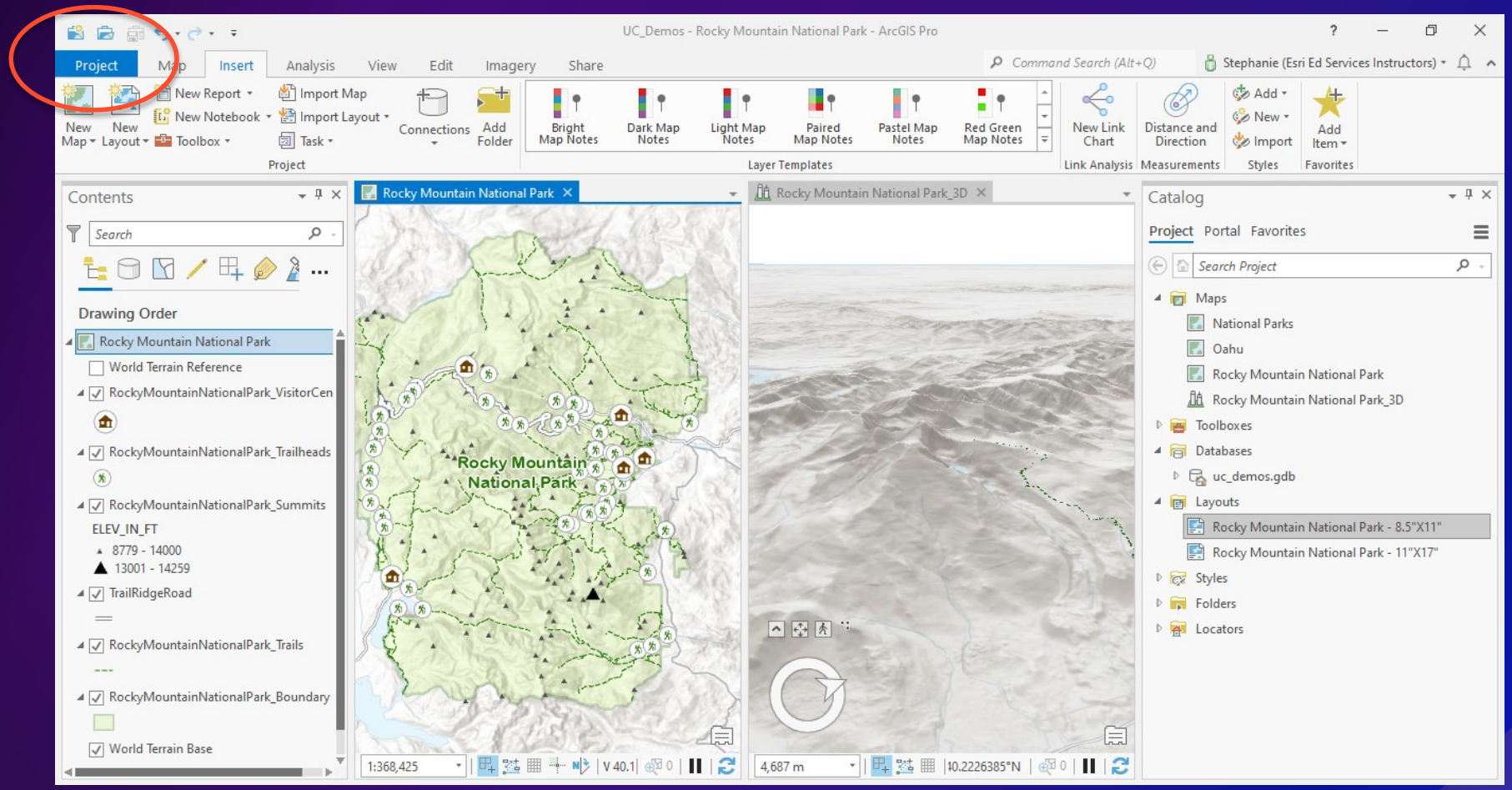


Importing an MXD

Andrea Santoro

Working with ArcGIS Pro

Setting Project and Application Properties



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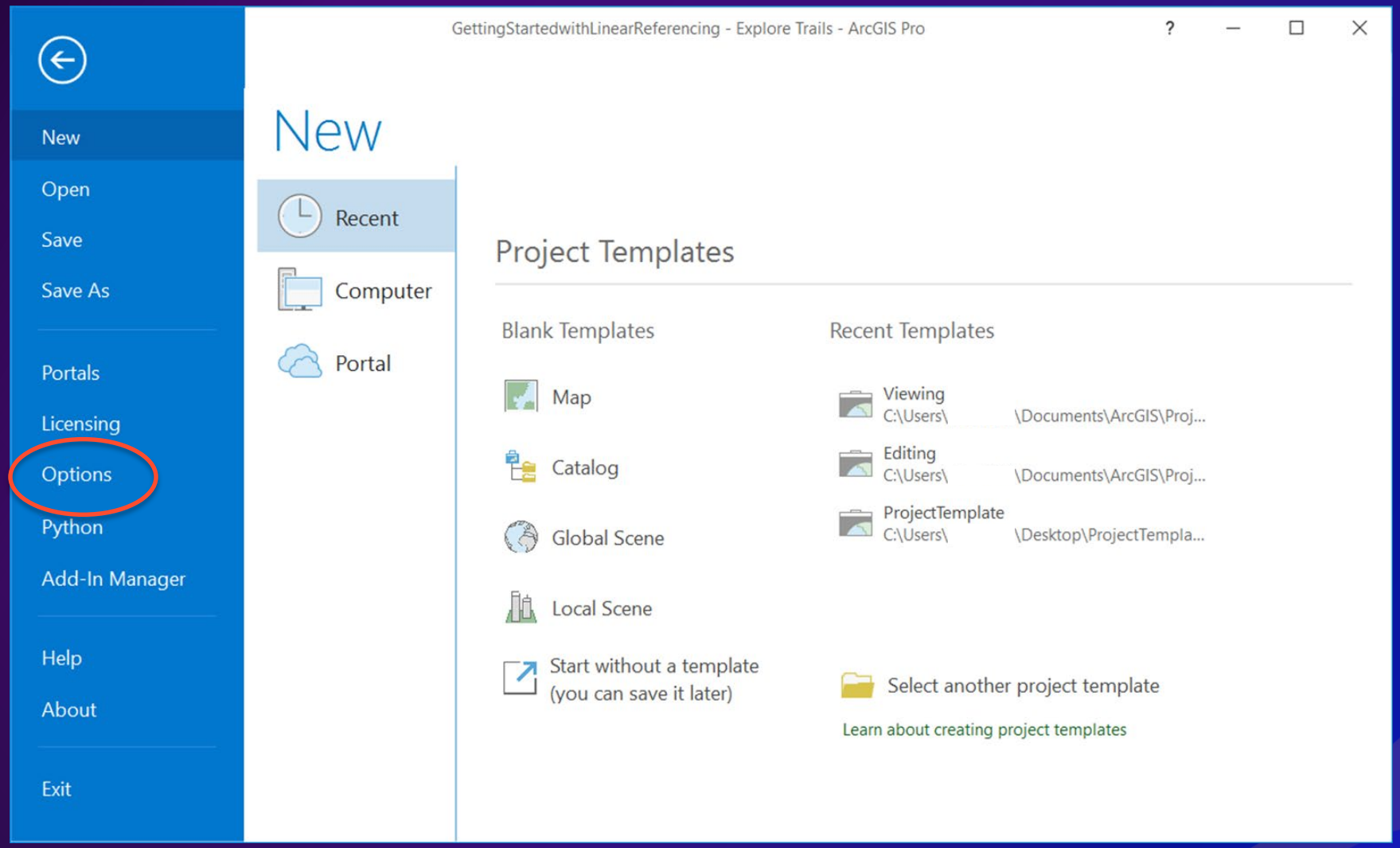

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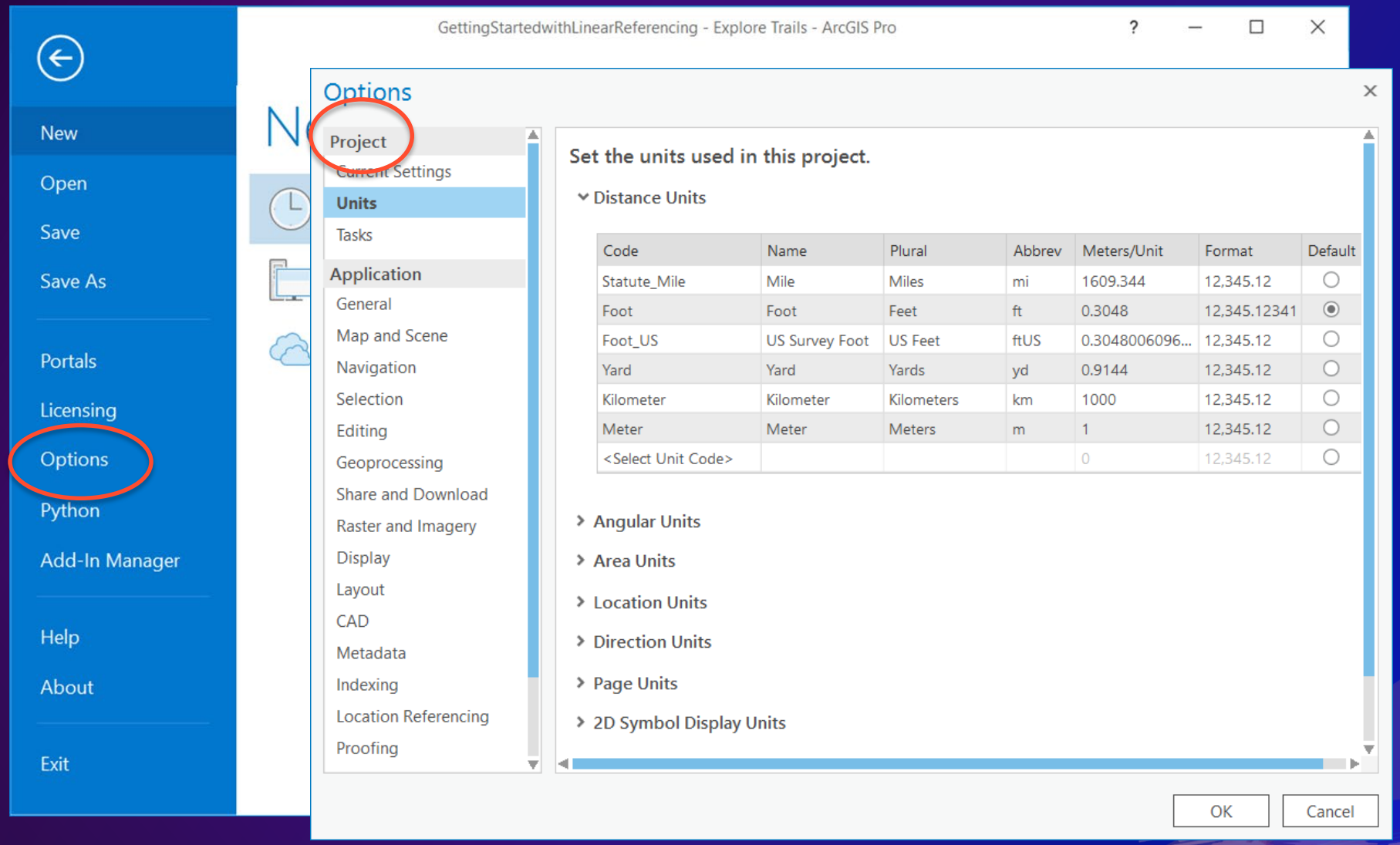
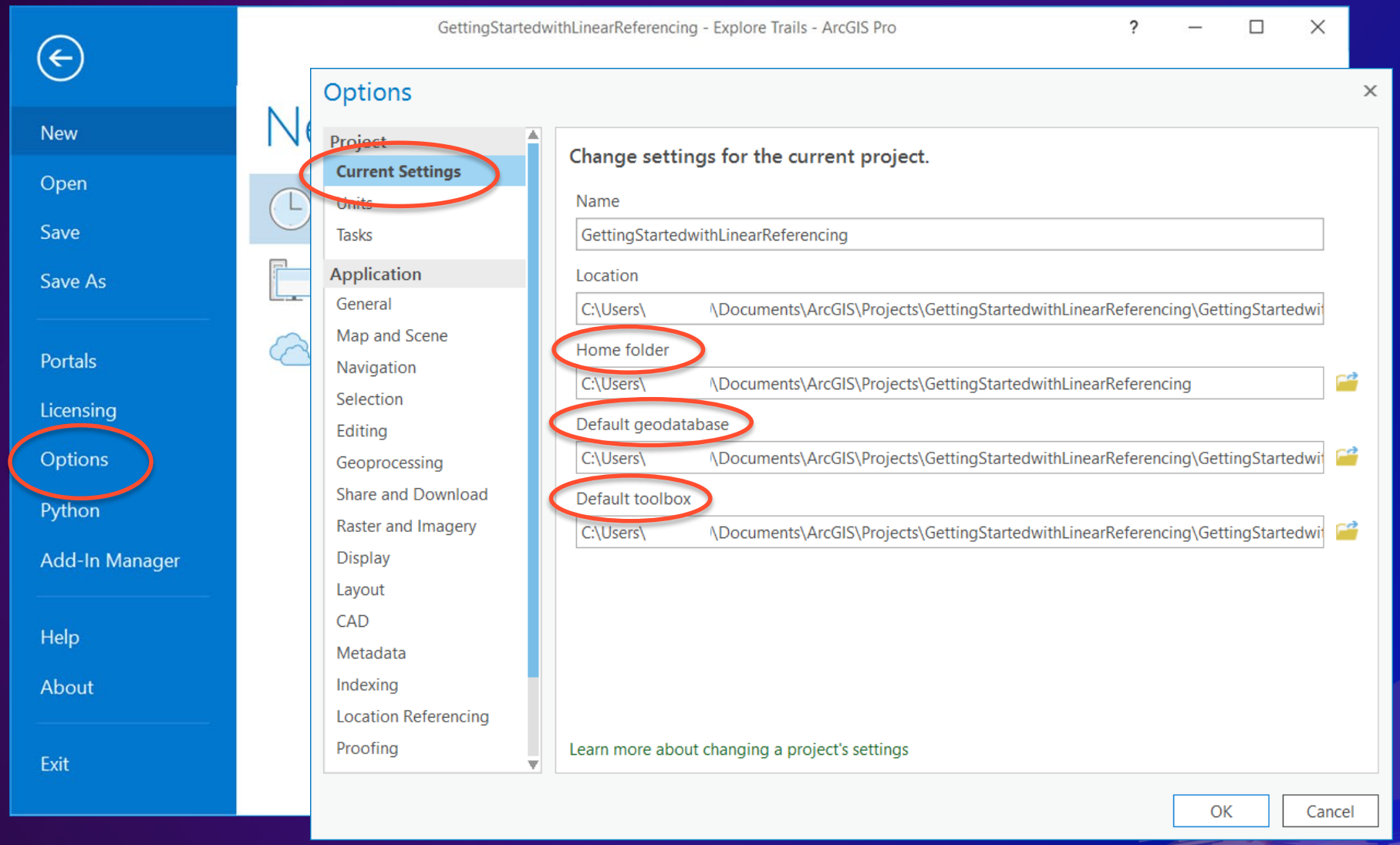


Setting Project and Application Properties



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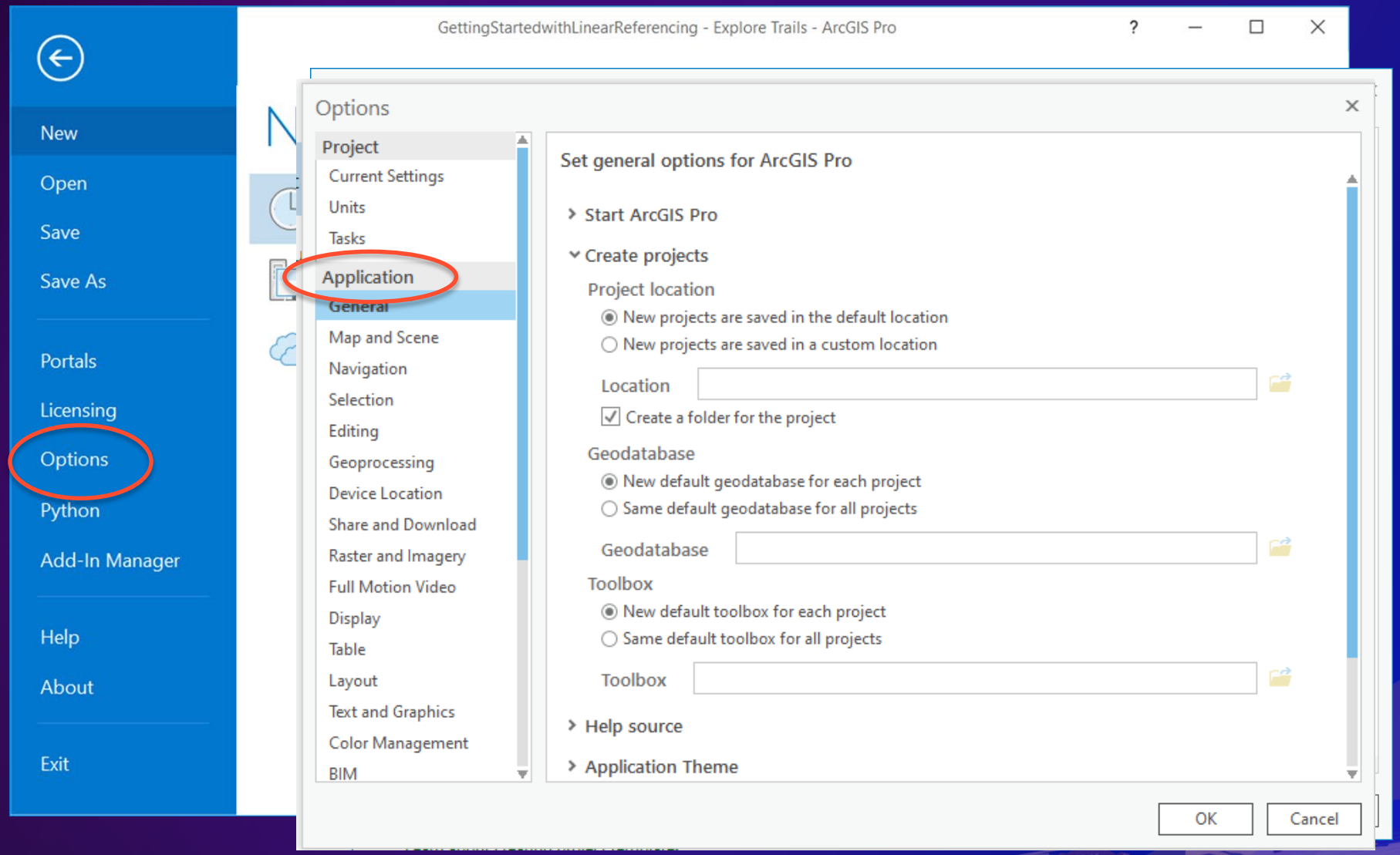

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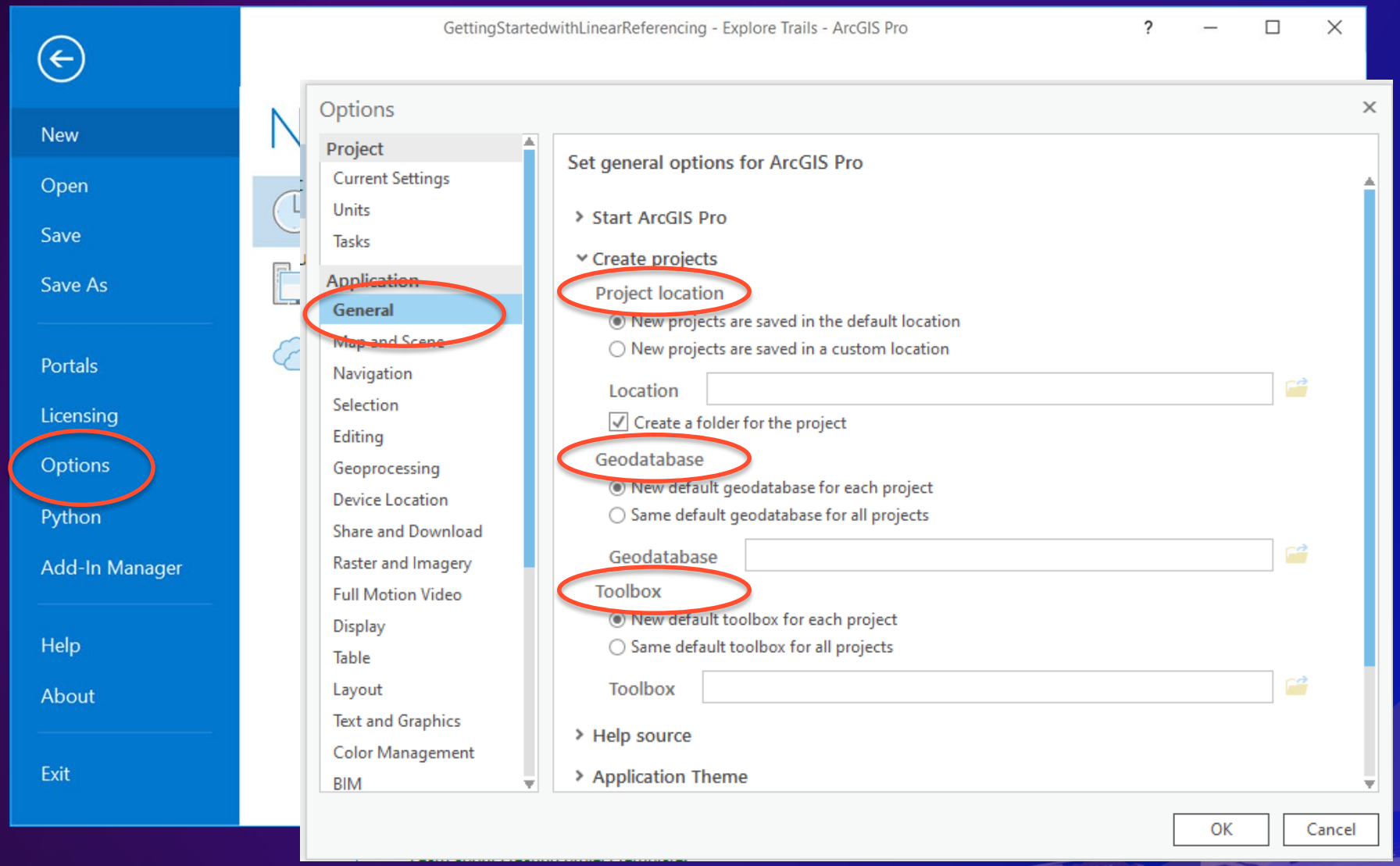

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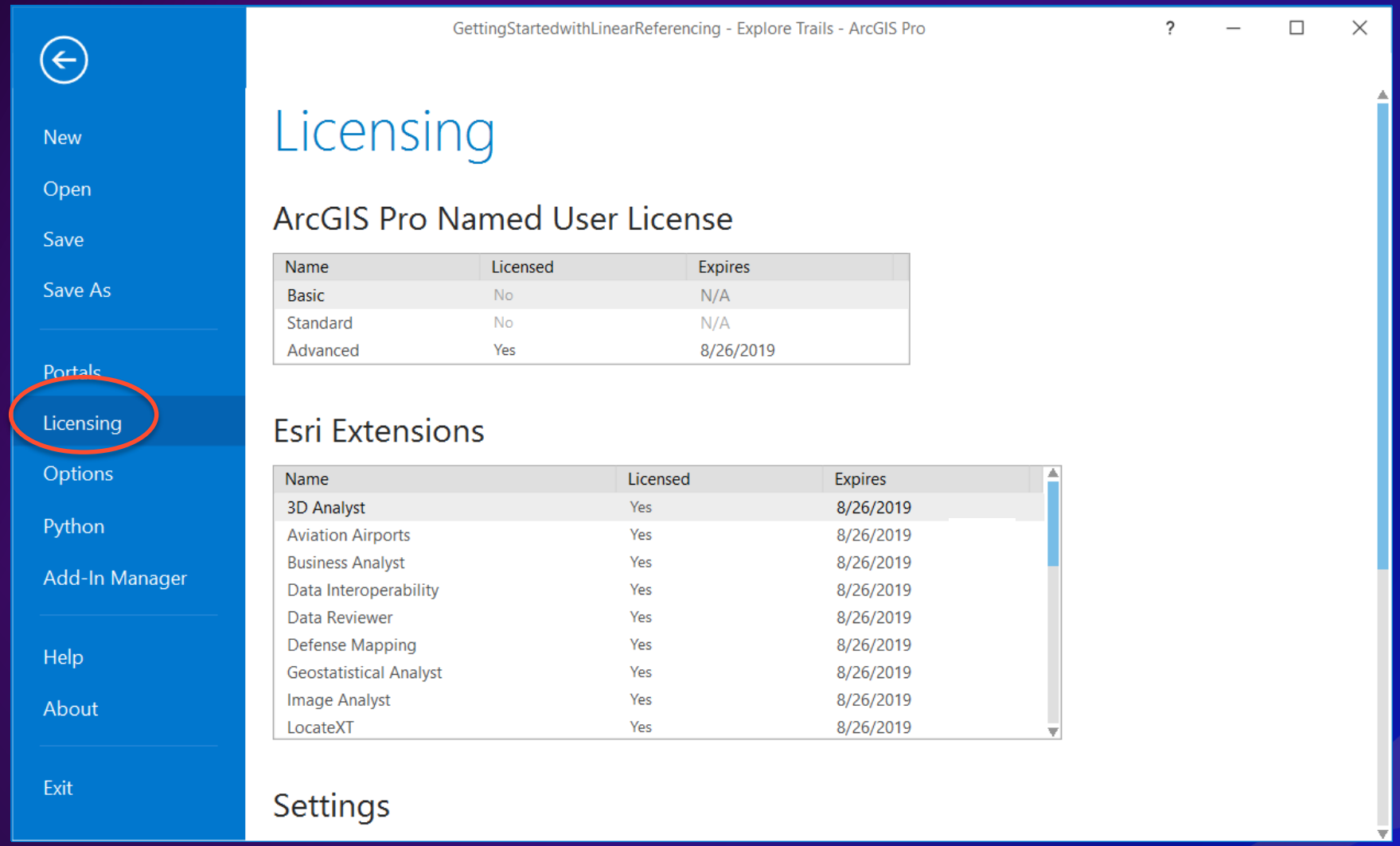
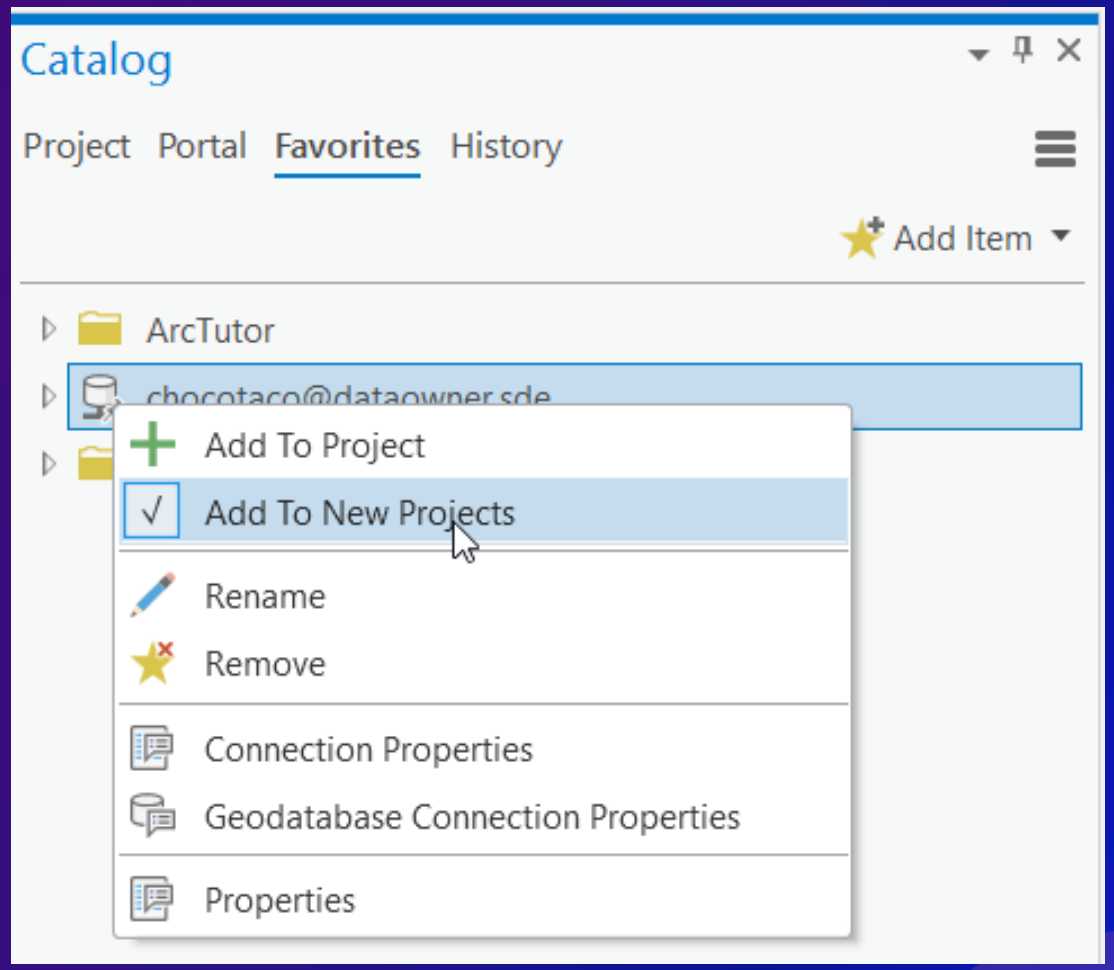


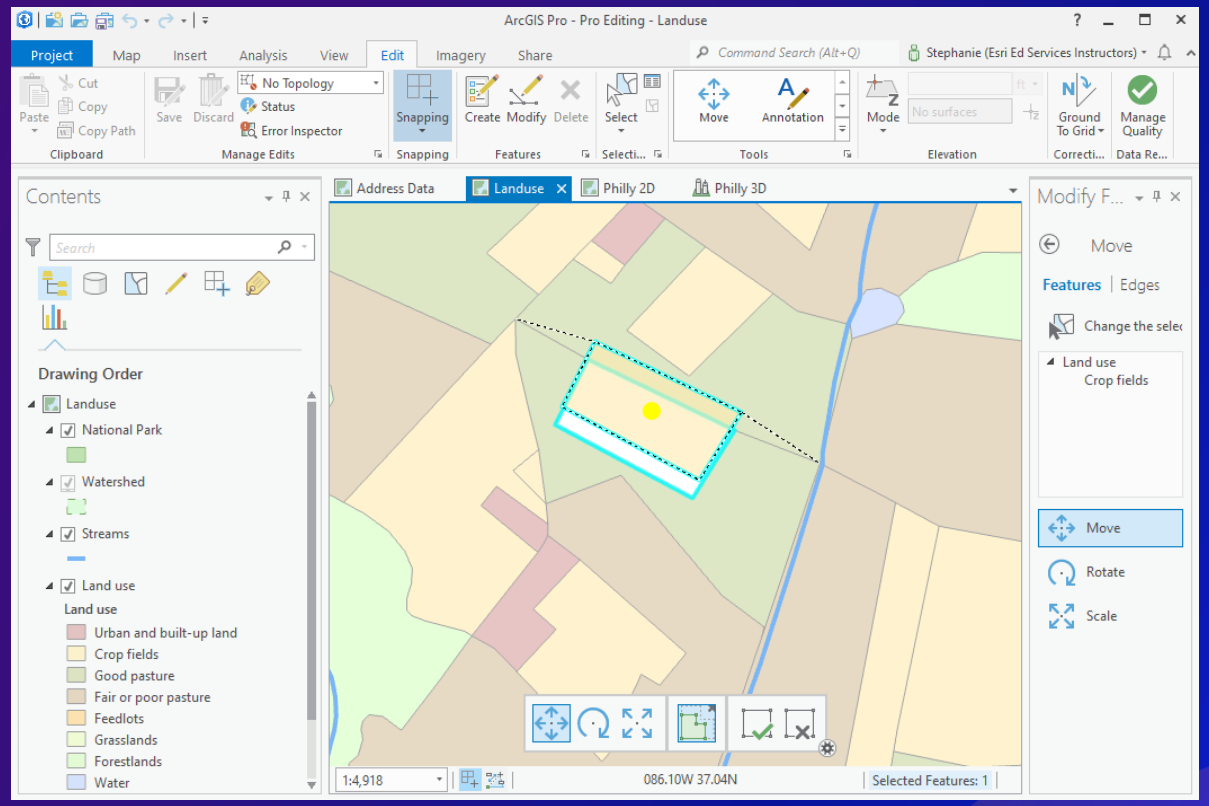
Working with Favorites

- Add file, database, and server connections
- Favorites are saved on a per-user basis



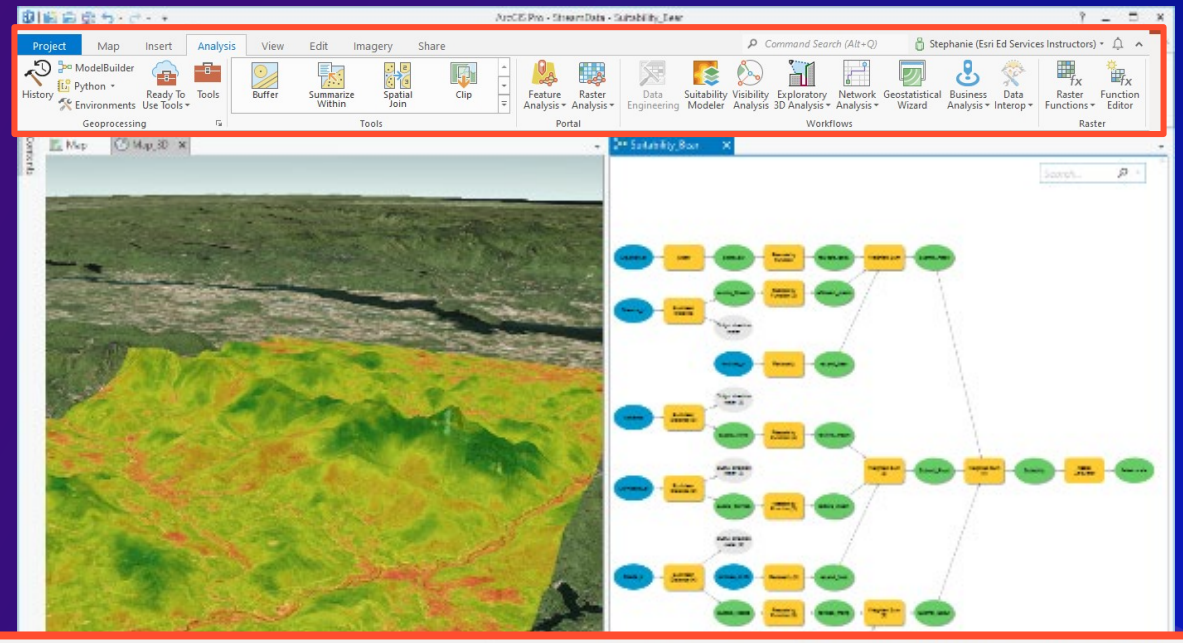
Editing in ArcGIS Pro

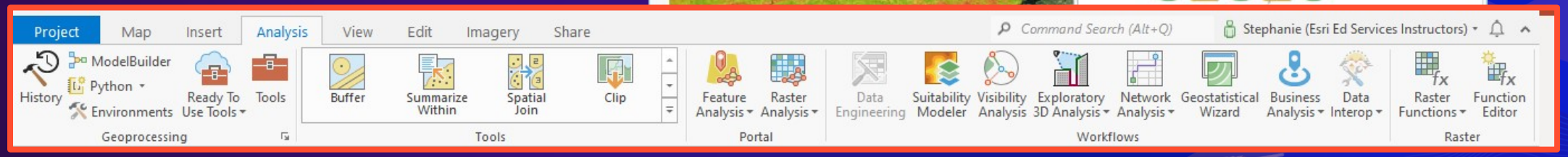
- No need to start and stop editing
- Create and modify features
- Edit versioned data
- Edit map and geodatabase topology
- Group templates



Analysis in ArcGIS Pro

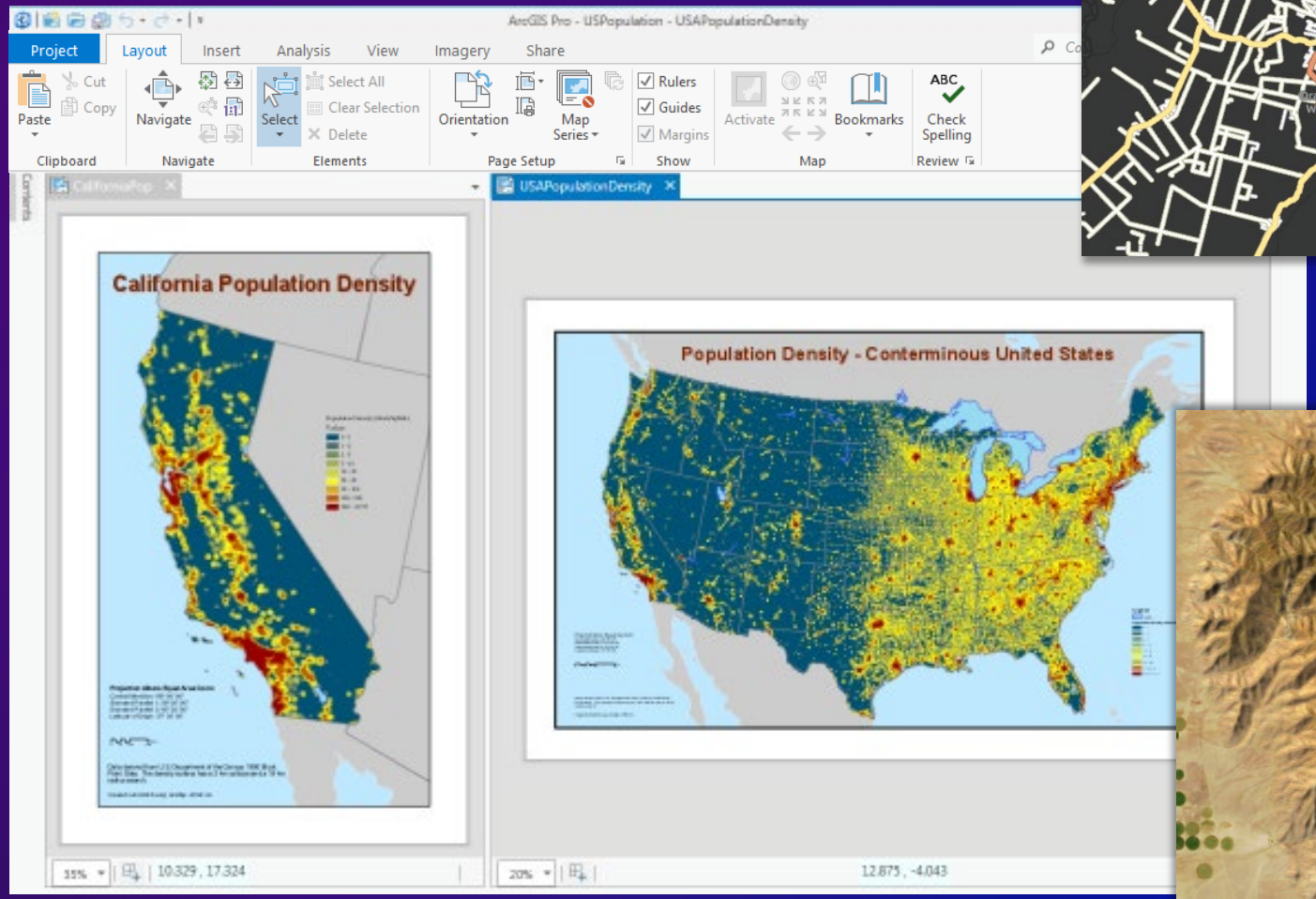
- Analysis tab
- Geoprocessing tool panes
- Customizable gallery of tools
- ModelBuilder
- Python
- Modelbuilder to Python
- Extensions





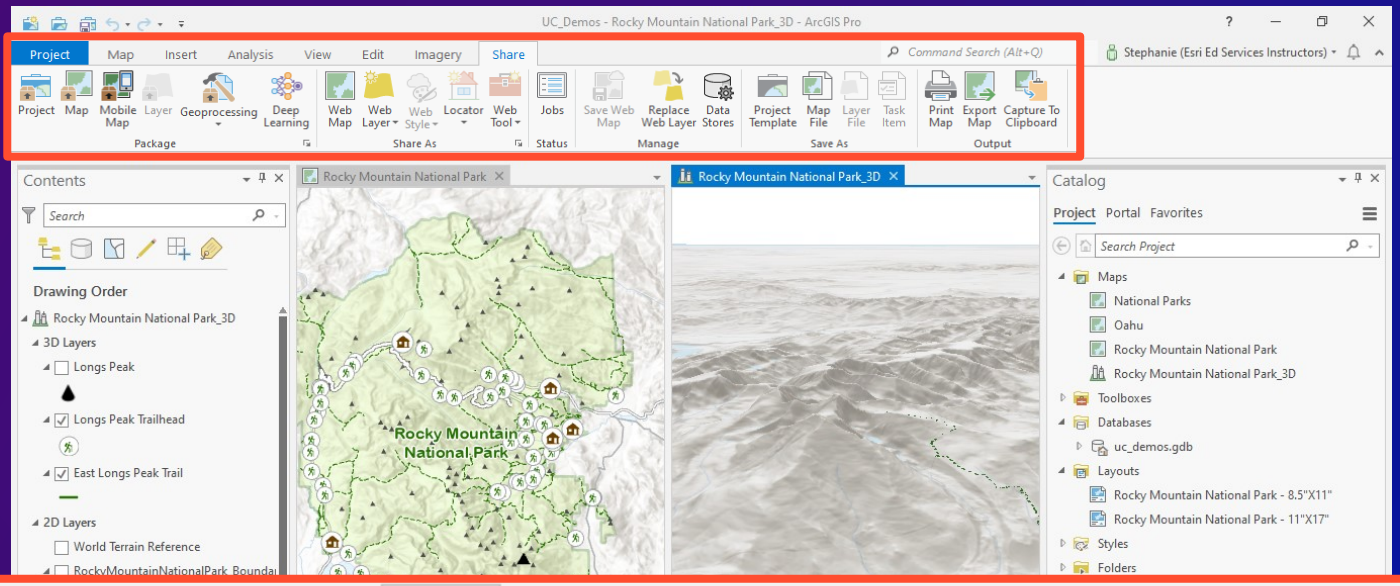
Mapping & Visualization in ArcGIS Pro

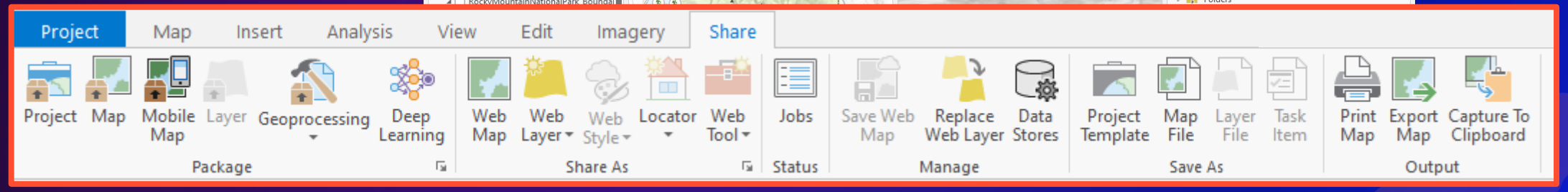
- Multiple layouts
- Anti-aliasing
- Transparency
- SVG Symbols
- Map Series
- 3D mapping
- Animation

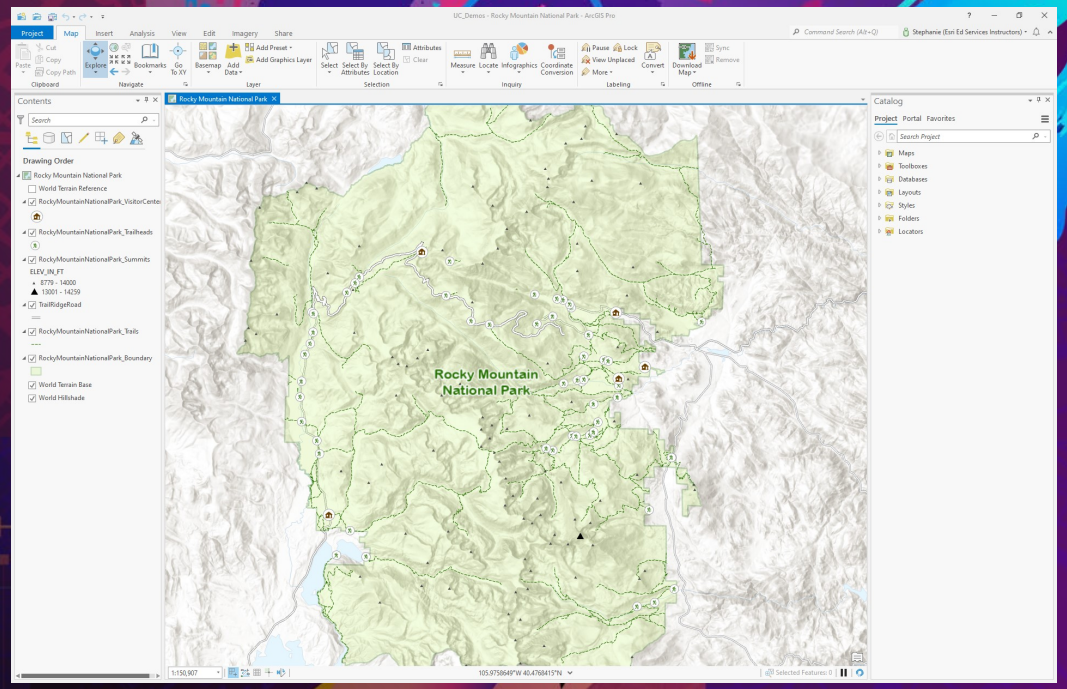


Sharing in ArcGIS Pro

- Share Tab
- Project Package
- Project Template
- Share a Web Layer
- Share a Web Map





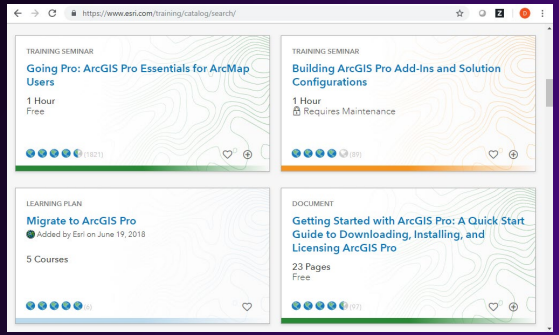


Working with ArcGIS Pro

Stephanie Oliver

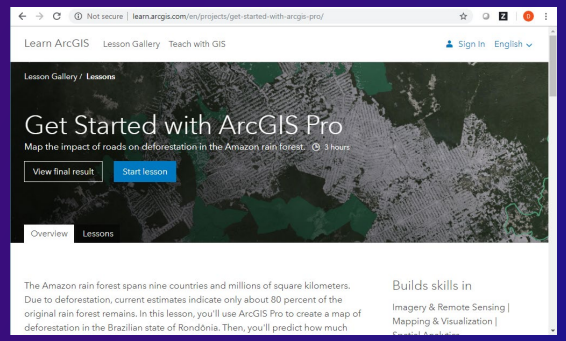
Resources

ArcGIS Pro migration and learning resources

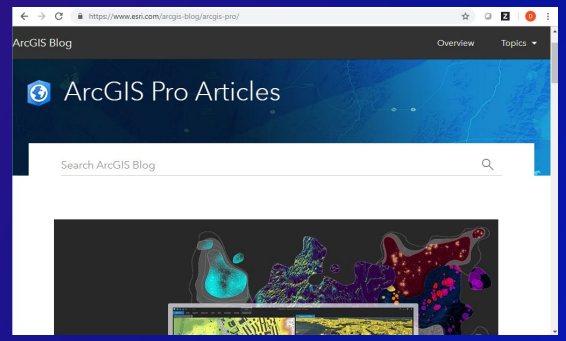


Training

Videos

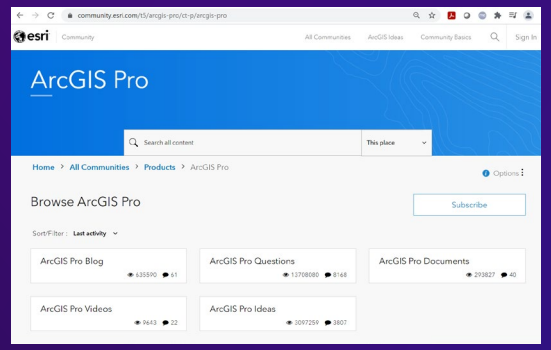


Learn.ArcGIS.com

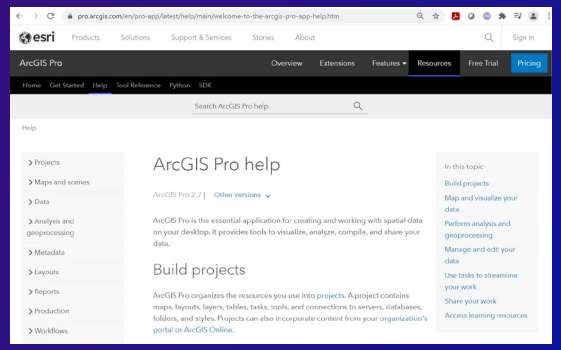


Blogs

Books



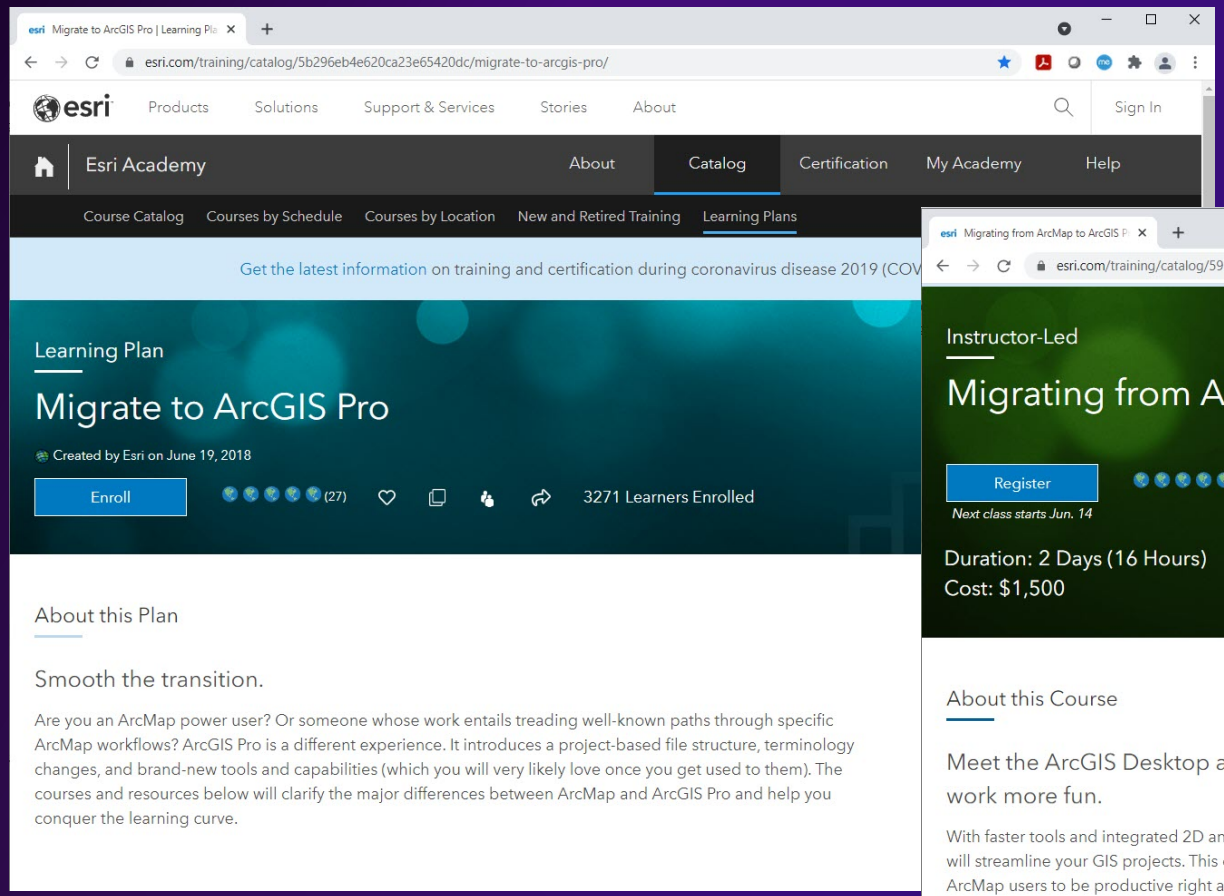
Esri Community

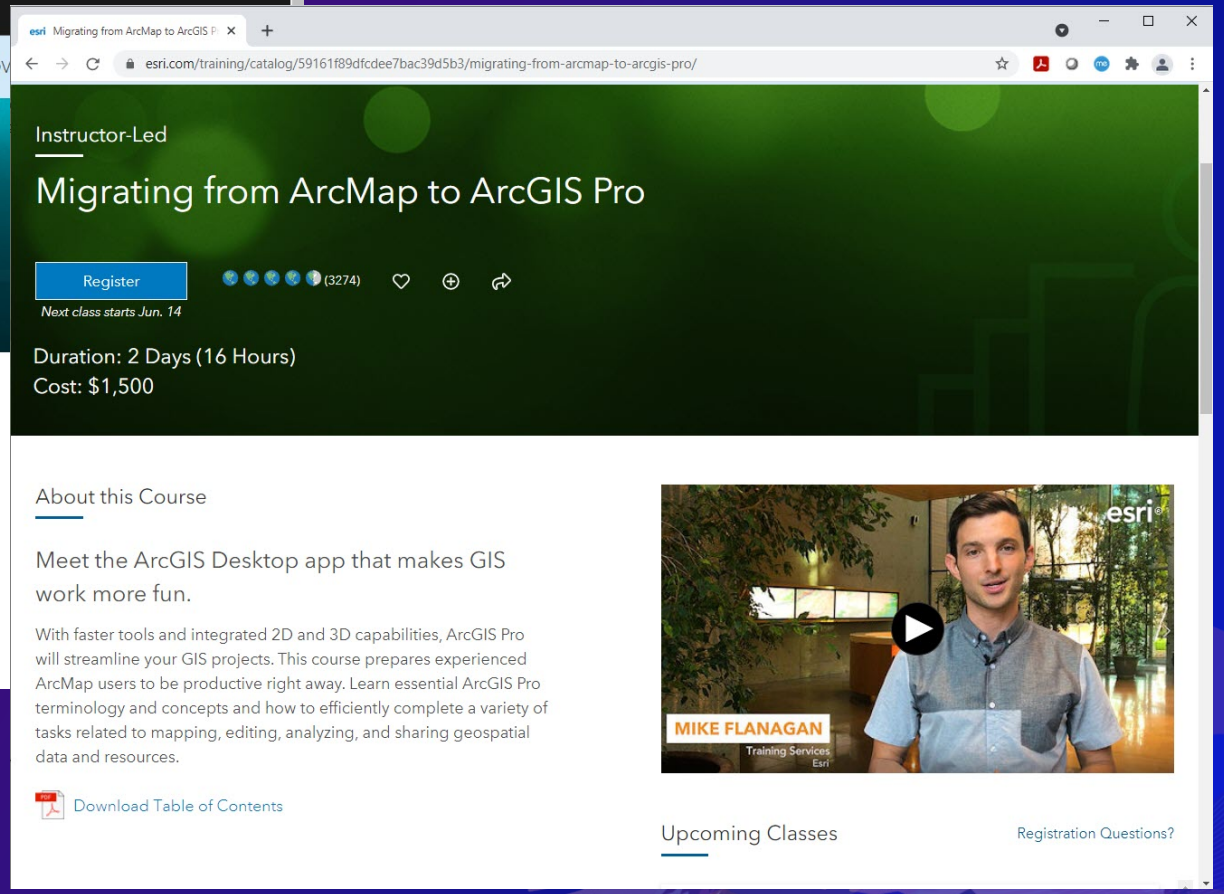


Help

Developer Resources

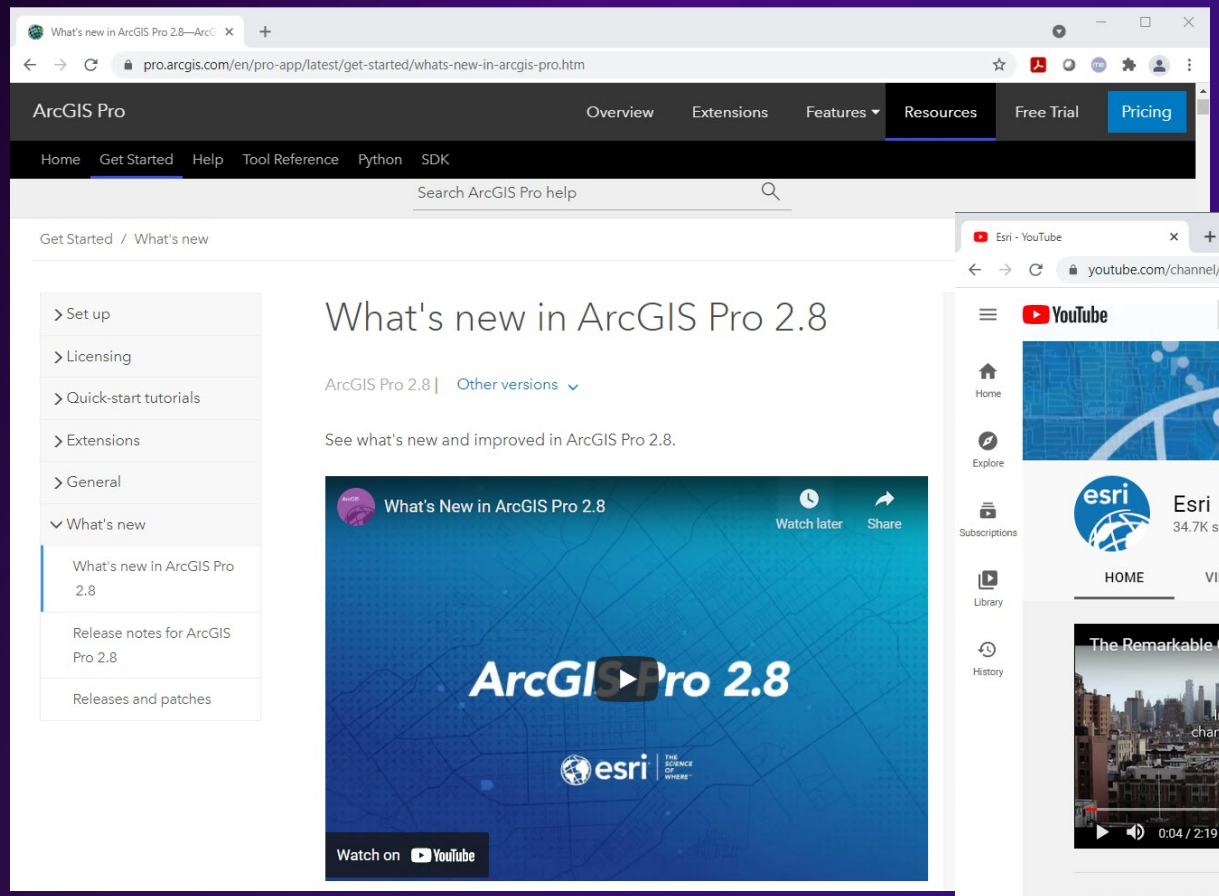
Esri Academy

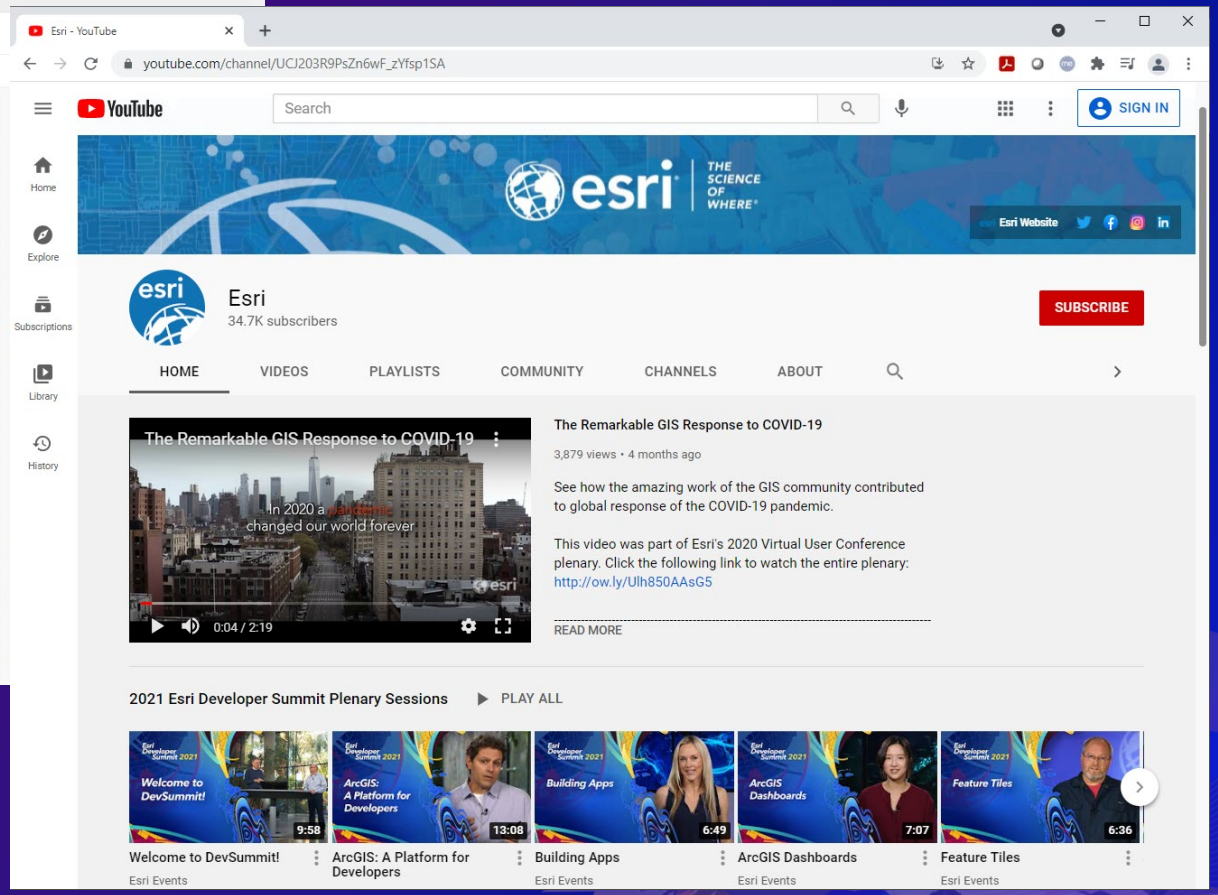




https://www.esri.com/training/

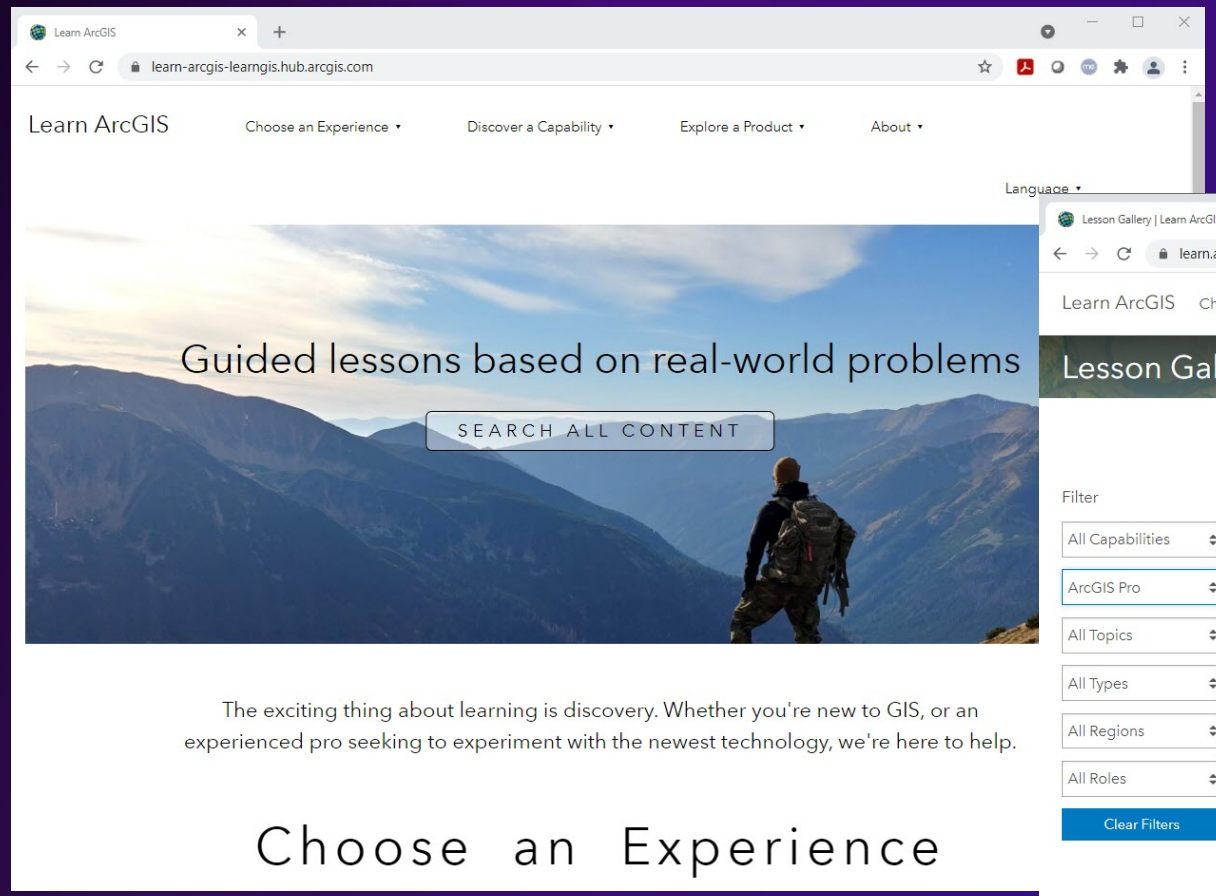
Esri Videos

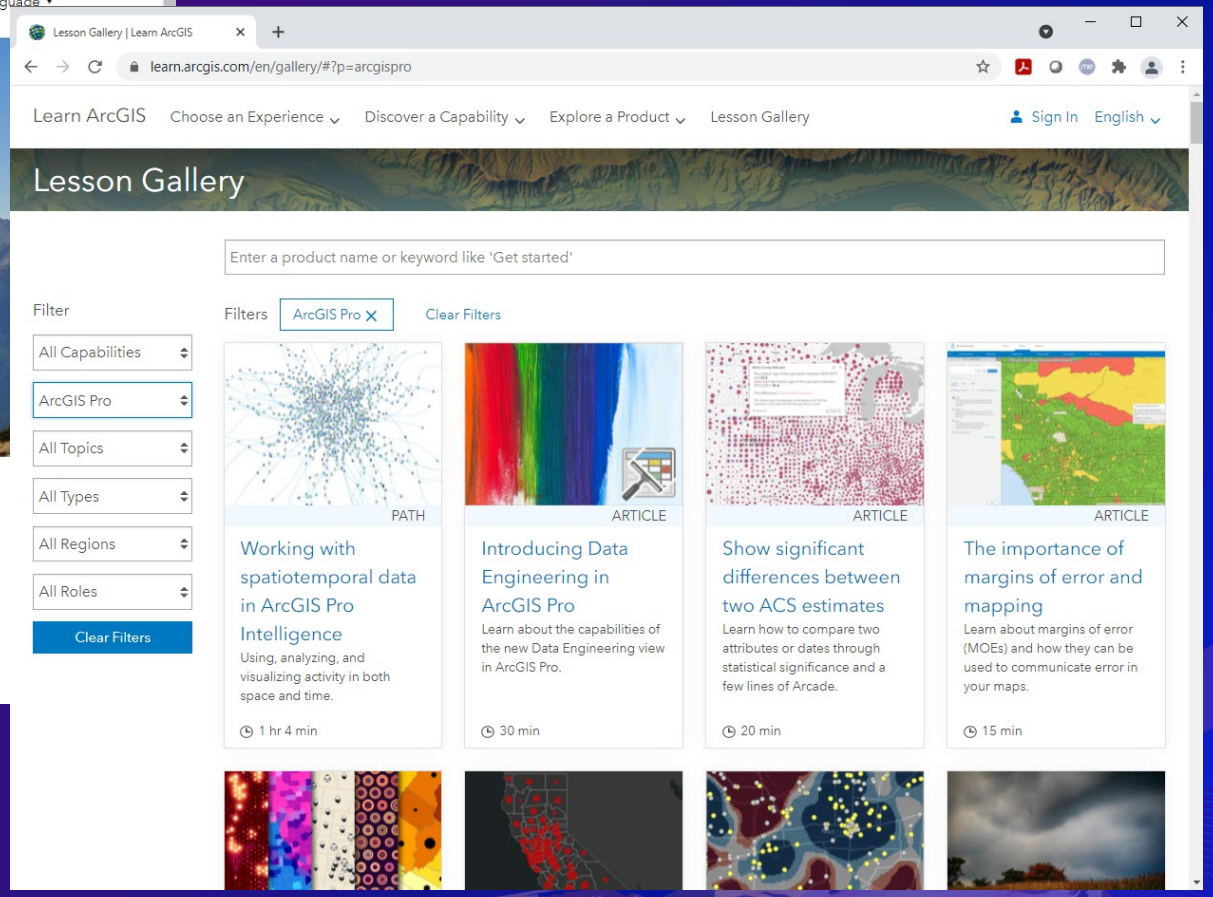




https://www.youtube.com/user/esritv

Learn ArcGIS





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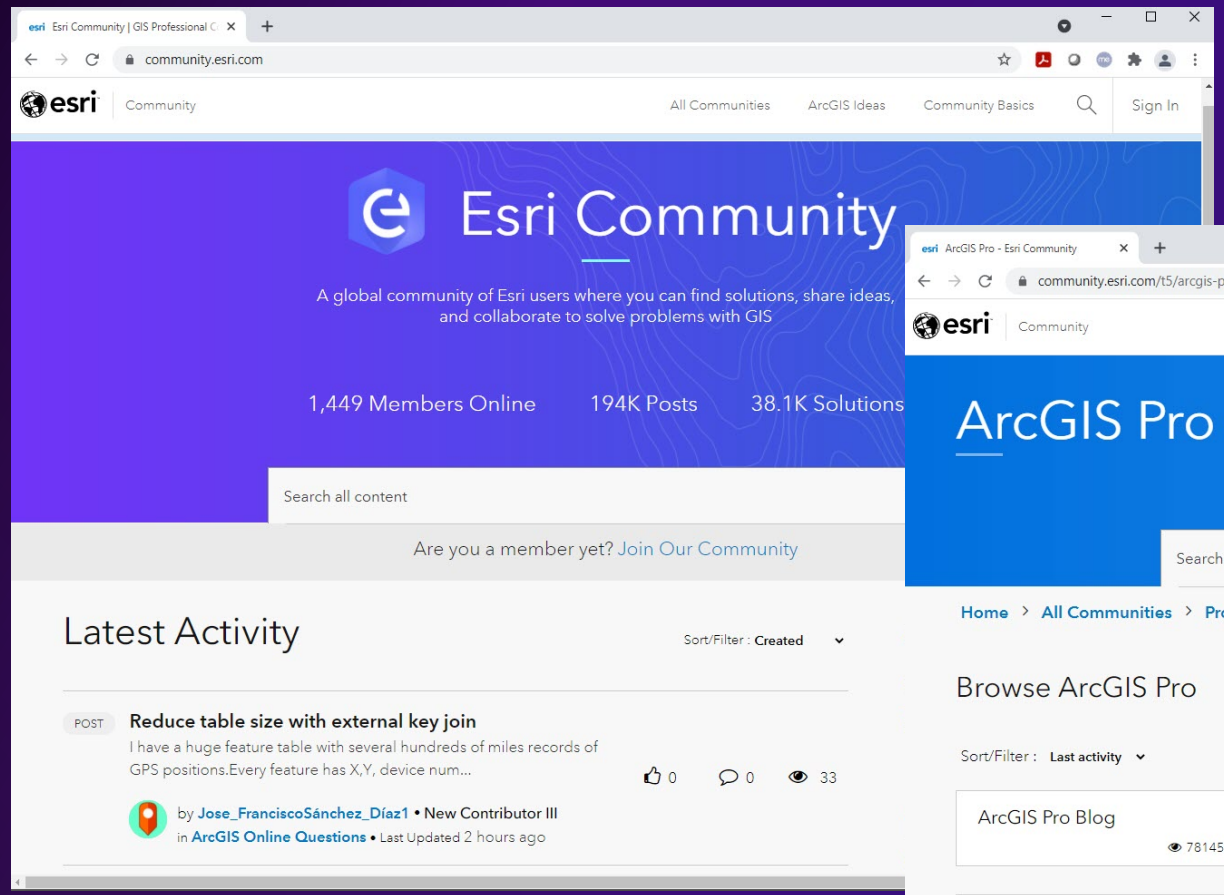

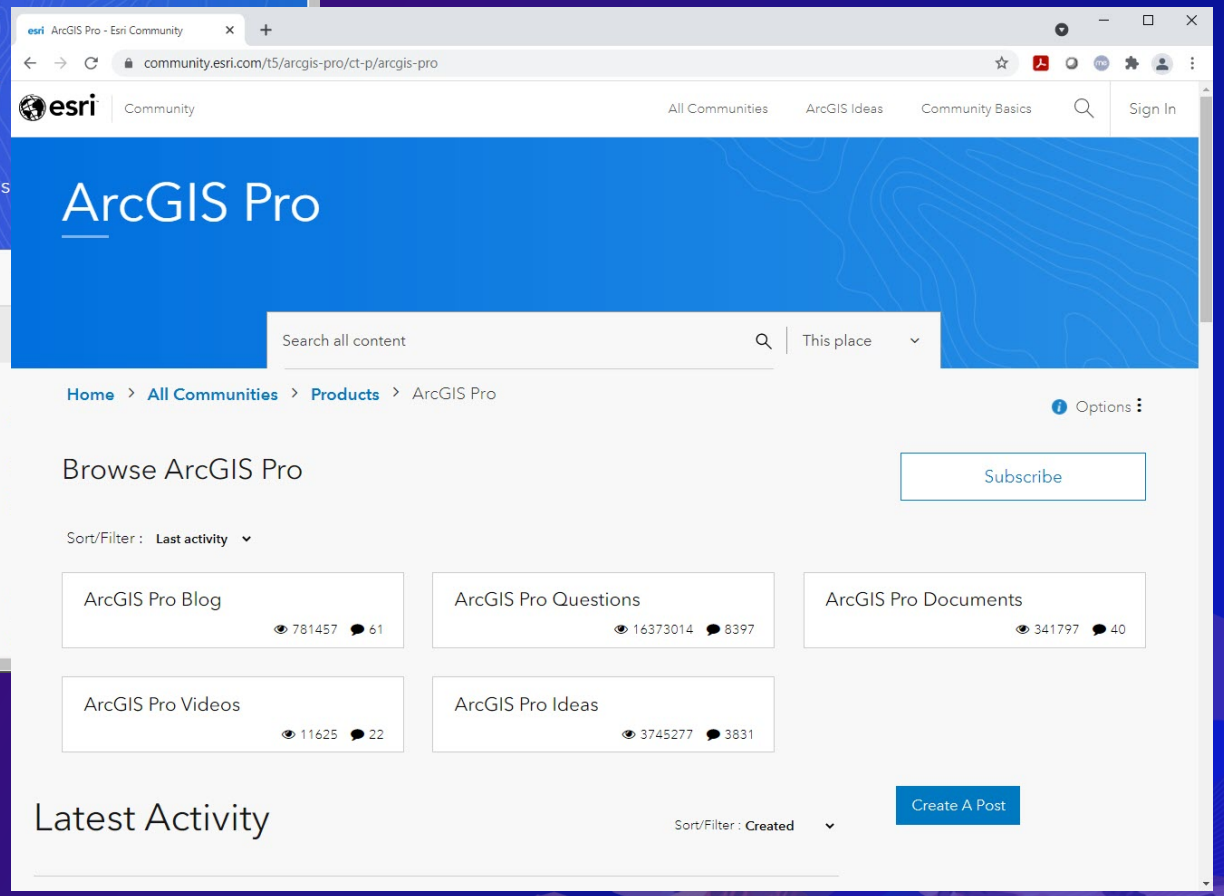

https://community.esri.com/

Documentation

ArcGIS Pro help—ArcGIS Pro | Docu

pro.arcgis.com/en/pro-app/latest/help/main/welcome-to-the-arcgis-pro-app-help.htm

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ArcGIS Pro help

ArcGIS Pro 2.8 | Other versions

ArcGIS Pro is the essential application for creating and working with spatial dat on your desktop. It provides tools to visualize, analyze, compile, and share your data.

Build projects

ArcGIS Pro organizes the resources you use into projects. A project contains m layouts, layers, tables, tasks, tools, and connections to servers, databases, folde and styles. Projects can also incorporate content from your organization's porta ArcGIS Online.

- Build your own project or start by opening a project template created by Esri c others in the community.
- Add content to your project by browsing, searching your project, or searching your active portal.

For ArcMap users—ArcGIS Pro | Doc

pro.arcgis.com/en/pro-app/latest/get-started/migrate-to-arcgis-pro.htm

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  - Frequently asked questions
  - Manage add-ins
  - Project and application options

For ArcMap users

ArcGIS Pro 2.8 | Other versions

Most of the functionality available in ArcMap is also available in ArcGIS Pro. The challenge is to find familiar commands and follow familiar workflows in a redesigned application. The drop-down menus, toolbars, and dialog boxes in ArcMap are replaced by the ribbon and panes in ArcGIS Pro. The project-based structure of ArcGIS Pro is also a new experience. See About ArcGIS Pro for an overview of the application design and user interface.

The ArcGIS Pro quick-start tutorials introduce you to common GIS workflows in ArcGIS Pro. You can also find answers to questions often asked by ArcMap users in Frequently asked questions.

User interface

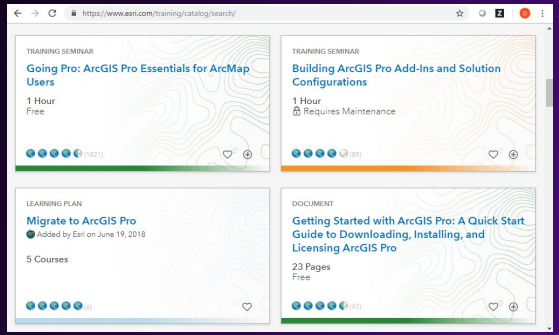
Two aspects of ArcGIS Pro that take time to adjust to are the user interface and data management operations. For an introduction to data management tools and workflows in ArcGIS Pro, see the Catalog pane, catalog view, and browse dialog box help topic and the Manage data tutorial.

In this topic

- User interface
- Add existing work
- Common workflows

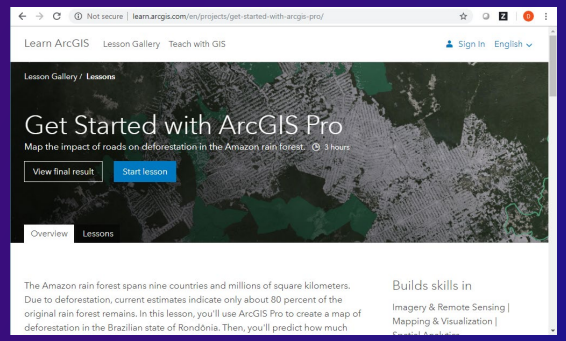
https://pro.arcgis.com/en/pro-app/latest/get-started/migrate-to-arcgis-pro.htm

ArcGIS Pro migration and learning resources



Training

Videos



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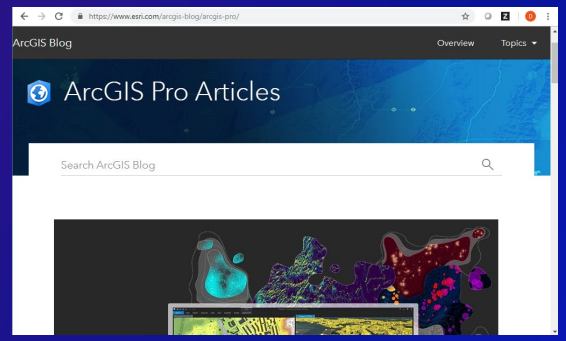

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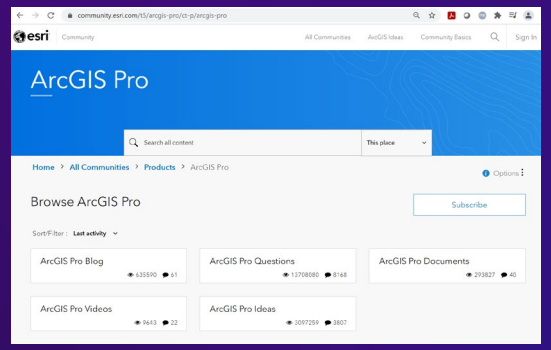

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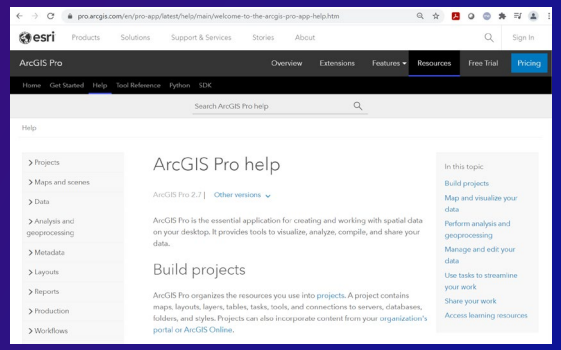

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Q&A

We want your feedback

Click on the Session Survey link below this video window

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